ACME

Issued Mar. 2022

ACME Electronics Corporation
越峯電子材料股份有限公司

USI Group

bsi
ISO 9001 Quality Management Systems CERTIFIED
ISO 14001 Environmental Management CERTIFIED
IATF 16949 Automotive Quality Management CERTIFIED
ISO 50001 Energy Management CERTIFIED

https://www.acme-ferrite.com.tw

COMPANY BRIEF

ACME Electronics Corporation, a subsidiary of USI Corporation, has been developed into one of the world's leading manufacturers of soft magnetic products since her establishment. Incorporated in 1991 and listed in Taiwan OTC market in 2005, ACME with her headquarter in Taipei possesses four manufacturing sites where one is in Taiwan, one in Malaysia, and two in China.

Our Products

A variety of soft magnetic products in different material types, core shapes and sizes are manufactured in ACME. These products are widely used for the manufacture of chokes, inductors, filters, transformers, antennas and other components or devices that are applied in the fields of communication, lighting, alternative energy, automotive, medical system, consumer and industrial electronics. ACME's products are adopted by leading manufacturers of these components and devices worldwide.

Headquarter of USI Group, Taipei

Our History

1991 ACME Electronics Corporation, Taiwan was incorporated.

1994 Built the first manufacturing facility in Kuan-Yin Distrit, Taoyuan County, Taiwan.

2000 Incorporated ACME Electronics (Kunshan) Co., Ltd., China and built a modern manufacturing facility to service the market in Northern and Eastern China. This factory had been expanded and equipped with the latest machinery and equipment. It now has a sintering capacity 6,800 metric tons a year.

2005 Incorporated ACME Electronics(Guangzhou) Co., Ltd., China. Located in Zhengcheng city, this new and well equipped facility has a sintering capacity of 6,300 metric tons a year and sevices the market in southern China.

2009 Acquired ACME Ferrite Products Sdn. Bhd., Malaysia. Located in Ipoh, Perak, ACME Malaysia is a leading Ni-Zn soft ferrite manufacturer that specialises in ferrite products for the automotive industry. This facility has a sintering capacity of 1,200 metric tons a year.

2016 Estiblished a experimental line for high purity SiC powder.

2017 Estiblished a experimental line for ceramic inject molding.

2018 A high-purity SiC powder mass production line was established and mass production was successful.

2021 Metal soft magnetic products in powder cores, nanocrystalline ribbon wound cores and others were launched.

Kuan-Yin Factory, Taiwan

***A**GGRESSIVELY*
***C**OMMITTED TO*
***M**ANUFACTURING*
***E**XCELLENCE*

Contents

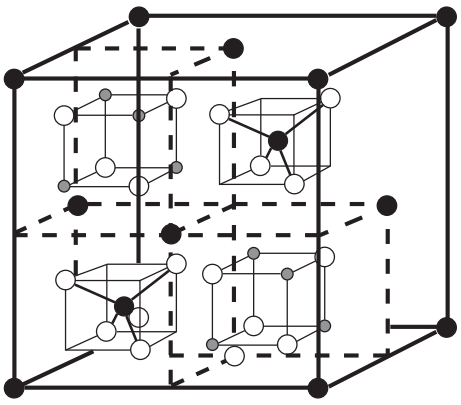
INTRODUCTION TO FERRITES

Ferrites are categorized as electroceramics with ferrimagnetic properties.

Due to superexchange interactions between the electrons of metal and oxygen ions ferrites behave ferrimagnetism. The less parallel spin alignment in ferrites results lower magnetization compared to ferromagnetic metals in which the spin moments are oriented parallel to one another. Due to the intrinsic interactions between oxygen and metal ions in atomic level, ferrites possess higher resistivity in comparison to ferromagnetic metals. This makes ferrites considerably useful in a wide range of applications at higher frequencies and technologically very valuable. The crystal structure of ferrites is formed with spinel lattice having the chemical formula $MeFe_2O_4$ where Me represents a divalent metal ion (e.g. Fe^{2+}, Ni^{2+}, Mn^{2+}, Mg^{2+}, Co^{2+}, Zn^{2+}, Cu^{2+} etc.). Nowadays the most popular compounds of commercial ferrites are $MnZnFe_2O_4$ and $NiZnFe_2O_4$ with major difference in resistivity between each other. The material properties illustrated in the data sheets are defined by toroidal cores for each material grad.

The Spinel Lattice:

The following figure shows a unit cell of the spinel lattice and the sites of various ions. The spinel structure consists of a number of interlaced face-centered cubic lattices. These interlaced lattices are called sub-lattices and they play an important role in the magnetism of ferrites. In a unit cell of spinel crystal structure of ferrites, one metal ion (e.g. Fe^{2+}, Ni^{2+}, Mn^{2+} etc.) is on tetrahedral (A) site and two (e.g. Fe^{3+}, Zn^{2+}) are on octahedral (B) sites. If the spinel were 'normal', the divalent Me ion would occupy the A site while the trivalent Fe ions would occupy the B sites. In an 'inverse' spinel the divalent Me ion occupies one of the B sites while the trivalent Fe ions occupy the other B site and the A site. Many of the commercially important ferrites, such as MnZn-ferrites and NiZn-ferrites, are 'inverse' spinels. In ferrite manufacturing both composition and process conditions are crucial to get the required properties.



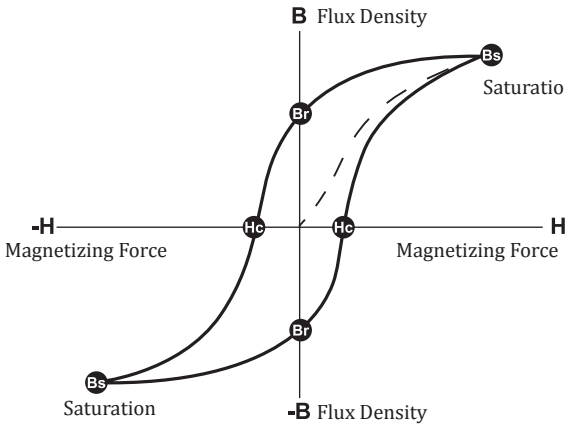
Oxygen

B-atoms octahedral sites

A-atoms tetrahedral sites

Ferrimagnetism:

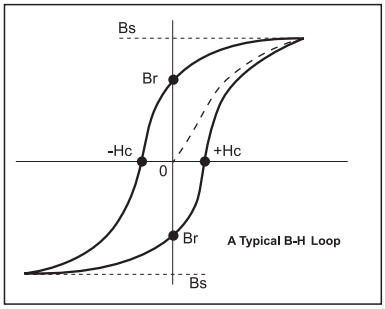
Ferrimagnetism is the term proposed by Néel to describe the magnetism of ferrites. Ferrites behave ferrimagnetism due to the fact that there are net magnetic moments in molecular level as a result of the electronic interactions, called **superexchange**, between metal and oxygen ions. In a bulk ferrite, the crystallite is normally divided into a number of magnetic domains (known as Weiss domains) of various spin orientations, so that there is very little external field arising from the internal magnetization in the crystallite of ferrite polycrystalline structures, i.e. the **demagnetizing fields** are small. If a magnetic field is applied to the ferrite bulk along it's magnetic path, the movements of the domain walls which are irreversible will occur. Due to the irreversible domain wall movements the magnetization will always lag behind the magnetizing field and an open loop will be traced, known as magnetic hysteresis, and the loop is called a **hysteresis loop**.



MAGNETIC PROPERTIES

This section is devoted to a brief glimpse of some important features of MnZn-ferrites and NiZn-ferrites for our valued customers.

1. B-H HYSTERESIS LOOP



It is more usual to consider the dependence of the flux density on field strength. If an alternating field is applied to a soft magnetic material, a hysteresis loop will be obtained. Such a B-H curve is shown behind. If the field strength is large enough to make the material magnetization unable to increase further, the maximum attainable flux density is then reached. This is known as the **saturation flux density**, Bs. If the field is removed, the material returns to a state where a certain flux density remains. The intercept of the hysteresis loop with the B-axis is referred to as the **remanence**, Br, of the material, while the intercept with the H-axis is referred to as the **coercivity, Hc**.

The ease with which the magnetization may be changed by a given magnetic field depends on the anisotropy and the movement of domain wall pinned by the imperfection of the polycrystalline structure, i.e. magnetic stiffness. The energy consumed to overcome the internal magnetic stiffness during the cyclic magnetization process is indicated by the area of the B-H loop and is called **hysteresis loss**.

2. MAGNETIZATION

Under the influence of an applied field ($\boldsymbol{H}$) the magnetic moment of the ions comprising the material are re-orientated, either by the growth and contraction of the various domains, so that ionic moments effectively augment the applied field. This increase in magnetic field is called the magnetization ($\boldsymbol{M}$) and it is expressed in A/m (unit in **SI** hereafter). The resulting flux density ($\boldsymbol{B}$) is composed of that of free space plus the contribution of the magnetization due to the aligned domains in the material and can be expressed as $\boldsymbol{B} = \mu_o\ (\boldsymbol{H}+\boldsymbol{M})$ where $\mu_o = 4\pi\times10^{-7}$ H/m. The quotient of flux density and applied field is called **absolute permeability** denoted by μ :

$$\mu = \frac{\boldsymbol{B}}{\boldsymbol{H}} = \mu_o\left(1+\frac{\boldsymbol{M}}{\boldsymbol{H}}\right)$$

The absolute permeability is normally expressed as the product of the magnetic constant of free space, μ_o , and the **relative permeability**, μ_r :

$$\mu = \mu_o \cdot \mu_r$$

where

$$\mu_r = 1+\frac{\boldsymbol{M}}{\boldsymbol{H}} = 1+\chi_r$$

In the above equation χ_r is the **relative susceptibility** used normally to classify the various kinds of magnetism (e.g. diamagnetism, paramagnetism, antiferromagnetism, ferromagnetism and ferrimagnetism). Since there are a variety of qualifying subscripts of relative permeability correlated with testing conditions, it is then convenient to drop 'relative' so that the index 'r' is generally replaced by the applicable symbol e.g. μ_i , μ_a , μ_Δ etc. for each specific behavior under the concerned testing conditions.

3. PERMEABILITY

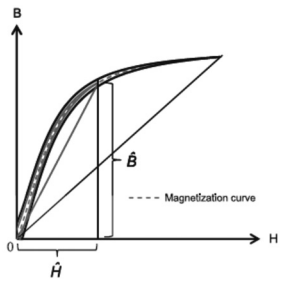
The **initial permeability**, μ_i , is measured in a closed magnetic circuit, usually a toroidal core, at very low field strength, ΔH , without bias:

$$\mu_i = \frac{1}{\mu_o}\times\left(\frac{\Delta B}{\Delta H}\right)_{\Delta H\to 0}$$

Sometimes for the application purpose the core has to be gapped. The effect of an air gap is to change the horizontal scale of the B-H relation of a given core so that the B-H loop is less inclined relative to the horizontal, and this is consistent with a reduction of the concerned permeability at the same test condition. This effect is referred to as the shearing of the B-H relation and applies to both initial magnetization and the hysteresis loop. In such a case the **effective permeability**, μ_e , is introduced as follows:

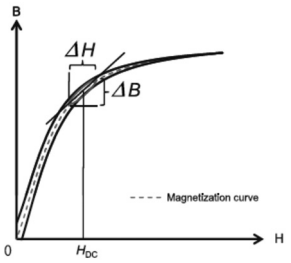
$$\mu_e = \frac{\mu_i}{1+\frac{G\cdot\mu_i}{l_e}}$$

Where G is the air gap and l_e is the effective magnetic path length. The relationship between higher field strength, $\hat{H}$, and flux densities, $\hat{B}$, without the presence of a bias field is given by the **amplitude permeability**, μ_a :



$$\mu_a = \frac{1}{\mu_o}\times\left(\frac{\hat{B}}{\hat{H}}\right)$$

When an alternating magnetic field is superimposed on a static bias field, H_{DC}, the permeability observed is called **incremental permeability**, μ_Δ :



$$\mu_\Delta = \frac{1}{\mu_o} \times \left(\frac{\Delta B}{\Delta H}\right)_{H_{DC}}$$

If the amplitude of the alternating field ΔH is negligibly small, the permeability is then called **reversible permeability**, μ_{rev} . Once the bias H_{DC} approximates to 0, the reversible permeability will revert to initial permeability. The behavior of the reversible permeability is normally shown in the characteristic curves with the subject of 'Permeability v.s. DC Bias field' for the metal dust cores featuring distributed gap.

4. INDUCTANCE FACTOR

To make the calculation of the inductance of a coil more convenient, the inductance factor, known as the *AL* value, is given in the data sheets (unit in nH: nano-Henry). The inductance of the wound core then can be defined as follows,

$$L = N^2 \times AL$$

where *N* is the winding turns of the coil. *AL* value is calculated using the effective core parameters (A_e and l_e) and the initial or effective permeability:

$$AL = \frac{\mu_o \mu_i \cdot A_e}{l_e}$$

where A_e and l_e for the specific core type can be found in the data sheets. For the gapped ferrite cores and metal dust cores, the μ_i will be replaced by μ_e .

5. DISACCOMMODATION FACTOR

If a magnetic material is given a disturbance, which may be magnetic, thermal or mechanical, the initial permeability observed right after the cessation of the disturbance is normally found to be raised to an unstable value from which it returns to its stable value as a function of time. This phenomenon is usually referred to as **disaccommodation**. There are a number of possible mechanisms of disaccommodation in ferrites and they all depend on migratory processes within the lattices of the polycrystalline structure. These processes often involve the anisotropy or preferred distribution of ferrous ions and/or cation vacancies over the four octahedral sublattices of the spinel lattice.

Because it is observed that the change of permeability is approximately proportional to the logarithm of time, the IEC Technical Committee 1 (Terminology) defines a **disaccommodation coefficient** of permeability as

$$d = \frac{\mu_1 - \mu_2}{\mu_1 \cdot \log_{10}\left(\frac{t_2}{t_1}\right)}$$

where t_1 and t_2 are arbitrary but defined time intervals after the disturbance. And the **disaccommodation factor** is defined as

$$D_F = \frac{d}{\mu_1}$$

6. TEMPERATURE FACTOR

The permeability of a magnetic material may change for a variety of reasons. The most obvious cause of variation is the change of temperature. Over a limited temperature range the reversible variation of permeability with temperature can be described by a **temperature coefficient**, α_μ:

$$\alpha_\mu = \frac{\Delta\mu}{\sqrt{\mu_1 \mu_2} \cdot \Delta T}$$

where μ_1 and μ_2 are the permeability measured at different temperature. If the range of temperature, ΔT, is small and $\Delta\mu/\sqrt{\mu_1\mu_2}$ is not appreciable, the above expression can be simplified as:

$$\alpha_\mu = \frac{\Delta\mu}{\mu \cdot \Delta T}$$

When an air gap is inserted into a magnetic circuit so that the permeability is reduced to the effective value, μ_e , the effect of permeability variations are reduced in the ratio μ_e/μ_i . It is then convenient to divide the temperature coefficient by μ_i so that the temperature coefficient of effective permeability at gapped condition can be obtained by simply multiplying the new factor by μ_e . The new factor designated as **temperature factor of reluctivity** by IEC Technical Committee 1 has the symbol α_F:

$$\alpha_F = \frac{\Delta\mu_i}{\mu_i^2 \cdot \Delta T} \text{ or } \frac{\Delta\mu}{\mu_1 \mu_2 \cdot \Delta T}$$

Normally the initial permeability rises with temperature until it reaches a peak just below the Curie temperature, T_c . Over the T_c the permeability falls abruptly to values approaching unity due to disordering of magnetic moments by thermal energy and the material becomes paramagnetic.

7. COMPLEX PERMEABILITY

The equivalent circuit model is normally used to characterize the properties of electronic components. There are two approaches to describe the behavior of inductors with ignorance of winding resistance and parasitic capacitance so that the concerned properties of magnetic core materials can be realized. One is series mode with R_s and L_s where R_s is the series core loss resistance and L_s is the series inductance. The alternative is parallel mode with R_p and L_p where R_p is the parallel core loss resistance and L_p is the parallel inductance. Both of the two approaches are equivalent but the mathematical process of the series mode is more brief. Thus, the series mode is adopted to characterize the low-amplitude properties by most of the ferrite manufacturers.

Series mode Parallel mode

The preliminary theory of inductance may be defined by the linkage of magnetic flux change by applying the alternating current in the coil:

$$L = \frac{N \cdot \Delta\emptyset}{\Delta I}$$

where $\Delta\emptyset$ is the variation of the flux induced in the wound coil with N turns by applying the alternating current, ΔI , on the wire. The basic inductance formula can be rewritten as follows,

$$L = N^2 \cdot \frac{A_e}{l_e} \cdot \frac{\Delta B}{\Delta H} = \frac{\mu_o \cdot \mu_r \cdot N^2 \cdot A_e}{l_e} = L_o \cdot \mu_r$$

where L_o is the virtual inductance and supposed to be measured if the core had unity permeability with the flux distribution in its original magnetic circuit remaining unchanged. The unit of inductance L is in Henry(H), A_e in meter square(m^2), l_e in meter(m) and $\mu_o = 4\pi\times10^{-7}$ H/m. The total impedance of the inductance circuit model in series mode is the combination of pure inductive reactance and core loss resistance:

$$Z = j\omega L_s + R_s \text{ (unit in } \Omega)$$

where the angular frequency, ω, equals 2πf with the frequency unit in Hertz (Hz). In comparison to the inductive reactance, $j\omega L_s = j\omega L_o \cdot \mu_r$, the impedance can be rewritten as follows,

$$Z = j\omega L_o \left(\mu_r - j\frac{R_s}{\omega L_o}\right) = j\omega L_o(\mu_s' - j\mu_s'')$$

where μ_s' , the real part of the complex permeability, equals μ_r and μ_s'' , the imaginary part of the complex permeability, equals $R_s/\omega L_o$. The form of complex permeability is obtained. The impedance value can be calculated as follows,

$$|Z| = \omega L_o \sqrt{\mu_s'^2 + \mu_s''^2}$$

It then can be realized that the core loss related part, μ_s'', plays one of the crucial roles of impedance behavior as well. The above equation provides a convenient way to check the impedance spectrum through the concerned material grade by complex permeability, core geometry by A_e/l_e and winding turns by N with the ignorance of parasitic effects due to winding.

8. RESONANT FREQUENCY

In the complex permeability spectrum of μ_s' and μ_s'' it normally can be observed that μ_s'' rises to a pronounced peak as μ_s' falls. This dispersion is mainly due to **dimensional resonance** and **ferromagnetic resonance**. Concerning the dimensional resonance, the high values of permeability and **permittivity** (in a typical MnZn-ferrite, $\varepsilon_r=10^5$) of ferrites give rise to standing electromagnetic waves within the ferrite if the smallest cross-sectional dimension of the ferrite core is half the wave length. Under this condition the net reactive flux is zero and it leads to μ_s' dropping down to zero at certain frequency. As to ferromagnetic resonance (**spin precession resonance**) due to the fact that the origin of ferromagnetism is not an orbital motion but a spin motion of the electron, the atomic magnetic moment has angular momentum which is similar to the behavior of a top. When a spinning top is placed in a gravitational field, it precesses. This phenomenon is called **gyromagnetic effect**. It is found that the frequency of ferromagnetic resonance varies inversely as the initial permeability, known as Snoek's law. The frequency at which μ_s'' rises to the maximum is about the one that ferromagnetic resonance occurs.

For practical inductor measurement, as the frequency increases the measured inductance might remain level at first and then rise to a sharp peak before falling rapidly to negative values. The frequency at which the inductance swing happens is called **self-resonant frequency** of an inductor and is normally lower than the dimensional and ferromagnetic resonance frequency of the core. The self-resonant frequency is mainly due to winding parasitic/stray capacitance of the coil. To avoid the influence of self-resonance phenomenon on measurement, the IEC

publication (IEC 62044-2) specifies the testing frequency to be far below the self-resonant frequency of the wound cores.

9. LOSS TANGENT

At the condition of low-amplitude measurement the common methods to indicate ferrite performance as a function of frequency is to characterize not only the complex permeability but also the value of $\tan\delta_m$, known as loss tangent. The total magnetic loss tangent can be expressed as follows,

$$\tan\delta_m = \frac{R_s}{\omega L_s} = \frac{\mu_s''}{\mu_s'}$$

where δ_m is the loss angle, i.e. the phase angle between B and H. There are also some standard expressions on the quotient of loss angle and permeability, called **loss factors** by IEC Technical Committee 51 as follows,

$$\frac{\tan\delta_m}{\mu} = \frac{\tan\delta_h}{\mu} + \frac{\tan\delta_F}{\mu} + \frac{\tan\delta_r}{\mu}$$

where the total loss factor is the sum over hysteresis loss, eddy current loss and residual loss factors respectively.

10. QUALITY FACTOR

To characterize the circuit/network performance the quality factor (Q-factor hereafter) is normally used as one of the important measures. Through the inductance circuit model in series or parallel mode the Q-factor of wire-wound magnetic cores can be defined as follows,

$$Q = \frac{\omega L_s}{R_s} = \frac{R_p}{\omega L_p}$$

which is just the inverse of loss tangent. For practical inductors the term $R_{s/p}$ involves the winding resistance as well. As a result of that, Q-factor is dependent on the testing frequency, winding condition and core loss.

11. RESISTIVITY

The resistivity, ρ, of ferrites ranging from 1Ω-m to greater than 10^6Ω-m is dependent on the chemical compounds. NiZn-ferrites feature high resistivity (>10^6Ω-m) while MnZn-ferrites behave much lower span over several Ω-m. The partial short-circuit due to electron hopping between the grain boundaries of polycrystalline ferrites creates significant eddy current loss at high frequencies and gives rise to dispersion of permeability, resulting the reduction of impedance. This phenomenon normally happens to MnZn-ferrites featuring much lower impedance at high frequencies. The DC resistivity of each material grade shown in the data sheets is measured at room temperature.

12. CORE CONSTANTS

A recent IEC publication (IEC 60205) lists standard formulae for calculating core constants and effective dimensions for a number of widely used core shapes. For a non-uniform core, an equivalent ideal toroid is introduced hypothetically to get effective core parameters, A_e and l_e , through its core constants:

$$C_1 = \sum_i \frac{l_i}{A_i} \text{ and } C_2 = \sum_i \frac{l_i}{A_i^2}$$

These constants give rise to the calculation of $A_e = C_1/C_2$ and $l_e = C_1^2/C_2$. C_1 is also used to calculate inductance factor of a core configuration without gap through

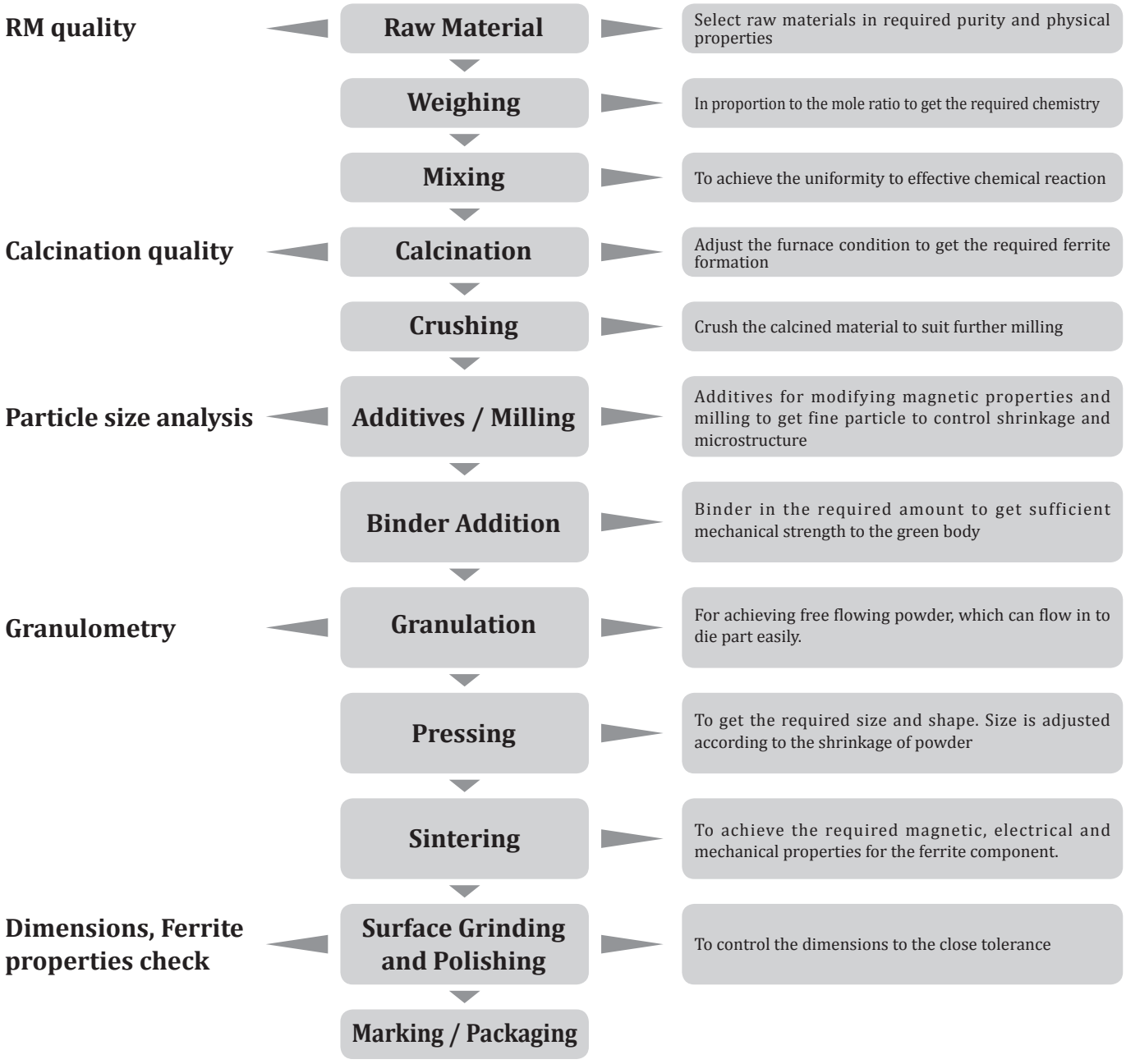
$$AL(\text{nH}) = \frac{4\pi\mu_i \cdot 10^{-1}}{C_1}$$

with the unit of C_1 in mm^{-1}. If air gap is concerned, μ_i should be replaced by μ_e in the above equation.

FERRITE MANUFACTURING PROCESS

Ferrite cores are manufactured to meet the requirements of customers. The effect of the process variables on the properties of ferrite pieces have always been a subject of great importance. The major factors include the purity of the constituent oxides, their proportions and homogeneity in the powder mix and the control of temperature and atmosphere during sintering.

Manufacturing flow sheet



MnZn-ferrite power materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Coercivity Hc (A/m)	Curie Temperature Tc (℃)	Resistivity ρ (Ω · m)	Page
Conventional Low Loss	P4	2500	480	135	14	220	5.50	20
	P41	2400	495	170	13	230	4.00	21
	P42	1800	520	230	13	240	8.00	22
	P48	2500	515	150	13	220	5.00	23
Wide temp. Low Loss	P45	3100	530	80	8	215	5.00	24
	P451	3800	540	70	8	215	5.00	25
	P452	3000	520	100	13	215	5.00	26
	P47	3000	520	100	11	220	5.00	27
High Bs	P49	1700	540	280	15	280	3.00	28
	P491	1500	600	140	21	300	5.00	29
High Frequency Low Loss	P5	2000	470	135	17	220	6.40	30
	P51	1500	490	215	35	250	12.00	31
	P52	2000	500	140	21	250	6.50	32
	P53	1200	515	180	38	280	10.00	33
	P61	900	515	200	50	280	10.00	34
	P63	900	540	205	50	280	10.00	35

MnZn-ferrite hi-permeability materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Temperature Factor α_F (x10^{-6}/℃)	Curie Temperature Tc (℃)	Resistivity ρ (Ω · m)	Page
Conventional High μ for CM Chokes	A10	10000	410	140	-0.5~1	130	0.15	36
	A121	12000	380	130	-0.5~1	110	0.12	37
	A13	12000	400	120	-1~1	125	0.15	38
	A151	15000	400	220	-1~1	110	0.10	39
Wide Band Filter	A05	5000	440	80	0~2	140	0.20	40
	A06	6000	420	70	0~2.5	140	0.20	41
	A07	7000	400	150	-1~1	130	0.35	42
	A071	7000	440	80	-1~1	145	0.35	43
	A102	10000	380	95	-1~1	120	0.15	44
High μ & Tc for Automotives	A072	7000	485	95	-1.5~1.5	180	0.20	45
	A104	10000	460	105	-1.5~0	155	0.15	46
High μ Wide Temperature	A044	4000	450	55	-1~1	170	1.00	47
	A064	6000	470	135	-1~1	170	1.00	48
	N10	10000	380	160	-1~1	100	0.12	49

MnZn-ferrite telecommunication materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Loss Factor tanδ/μ (x10^{-6})	Curie Temperature Tc (℃)	Resistivity ρ (Ω · m)	Page
For Wide Temp. LAN	A043	4500	460	65	<10	160	0.20	50
	A062	6000	460	100	<30	160	0.20	51
	N07	7000	400	70	<30	130	0.15	52
Low THD	A101	10000	400	175	<90	130	0.15	53
Low η_B	N4	2500	450	180	<3	170	7.50	54
	N42	3800	530	100	<2.5	250	5.00	55
	N43	750	490	400	<15	250	2.00	56

MnZn-ferrite EMI suppression materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Temperature Factor α_F (x10^{-6}/℃)	Curie Temperature Tc (℃)	Resistivity ρ (Ω · m)	Page
EMI Filter	N5	2000	370	240	<1.1	130	140	57

NiZn-ferrite EMI suppression materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Coercivity Hc (A/m)	Curie Temperature Tc (℃)	Resistivity ρ (Ω · m)	Page
Automotive EMI Suppression	K081	800	400	280	21	190	10^6	58
	K10	1000	355	250	19	160	10^6	59
	K12	1200	355	250	12	160	10^6	60
	K13	1300	340	190	16	150	10^6	61
	K15	1500	330	200	11	130	10^6	62
	K151	1500	290	150	20	110	10^6	63
	K20	2000	300	150	11	100	10^6	64
	K25	2500	275	170	14	90	10^6	65
Automotive EMI Suppression	D1C	350	360	255	31	160	10^6	66
	D25	500	390	260	58	180	10^6	67
	D27	700	365	235	20	150	10^6	68
	D28	800	365	180	26	150	10^6	69
	D30	1000	340	115	28	140	10^6	70
	D35	1100	305	140	22	120	10^6	71
	D37	1500	290	150	20	110	10^6	72
	D40	2000	275	115	8	90	10^6	73
Conventional High Bs	A30	300	435	300	68	250	10^6	74
	A31	300	435	180	52	250	10^6	75
	A40	400	430	320	62	250	10^6	76
	A50	500	330	125	56	150	10^6	77
Automotive High Bs	B25	250	445	320	95	250	10^6	78
	B30	300	470	250	80	300	10^6	79
	B40	400	430	300	45	240	10^6	80
	B45	450	450	270	49	240	10^6	81
	B60	600	430	300	40	210	10^6	82
	B90	900	390	250	38	180	10^6	83
Low Permeability	L1	150	410	170	105	250	10^6	84
	L2	60	420	275	140	250	10^6	85
	L3	20	305	120	600	300	10^6	86
	L4	50	395	255	200	300	10^6	87
	L5	100	390	175	140	250	10^6	88
	L6	14	265	175	1540	300	10^6	89

NiZn-ferrite RFID/antenna materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Coercivity Hc(A/m)	Curie Temperature Tc (℃)	Resistivity ϱ(Ω · m)	Page
Rod Core For Antenna	H2	50	400	195	155	300	10^6	90
	H3	100	330	225	95	250	10^6	91
	H3A	125	320	235	80	230	10^6	92
	H3B	150	330	245	90	220	10^6	93
	H4	300	330	205	55	160	10^6	94
	H5	250	410	295	40	250	10^6	95
	H5M	230	430	250	75	280	10^6	96
	H5R	200	400	290	55	240	10^6	97
	H5N	300	390	260	155	200	10^6	98
Wide Temperature RFID	F10	100	330	185	220	170	10^6	99
	F52	500	330	150	70	140	10^6	100
	F80	800	360	155	45	150	10^6	101
	F100	1000	335	140	33	130	10^6	102

MgZn-ferrite EMI suppression materials

Features	Grade	Initial Permeability μ_i	Saturation Flux Density Bs (mT)	Remanence Br (mT)	Coercivity Hc (A/m)	Curie Temperature Tc (℃)	Resistivity ρ (Ω · m)	Page
EMI Filter	M80	800	315	215	17	140	10^6	103

Material Characteristics (1)

	Symbol	Unit	Measuring Conditions			Conventional Low Loss Materials			
			Freq.	Flux den.	Temp.	P4	P41	P42	P48
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2500 ± 25%	2400 ± 25%	1800 ± 25%	2500 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4500	> 4500	> 5000	> 5000
					100°C	> 4500	> 4500	> 5000	> 5000
Power Loss	Pv	KW/m³	25kHz	200mT	25°C	105	125	125	-
					100°C	55	50	50	-
			100kHz	200mT	25°C	630	650	750	550
					100°C	450	350	350	250
			300kHz	100mT	25°C	660	820	900	570
					100°C	430	500	500	330
			500kHz	50mT	25°C	380	400	450	250
					100°C	330	300	300	200
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	480	495	520	515
					100°C	380	395	420	410
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	135	170	230	150
					100°C	75	55	60	55
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	14	13	13	13
					100°C	9	6	8	6
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1.2	< 1	< 1	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2	< 2
Curie Temperature	Tc	°C				≥ 220	≥ 230	≥ 240	≥ 220
Resistivity	ρ	Ωm				5.50	4.00	8.00	5.00
Density	d	g/cm³				4.80	4.85	4.90	4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (2)

	Symbol	Unit	Measuring Conditions			Wide Temperature Low Loss Materials			
			Freq.	Flux den.	Temp.	P45	P451	P452	P47
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	3100 ± 25%	3800 ± 25%	3000 ± 25%	3000 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 5000	> 5000	> 3900	> 4500
					100°C	> 5000	> 5000	> 4450	> 4500
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	360	270	310	340
					100°C	260	310	380	350
			300kHz	100mT	25°C	400	295	300	350
					100°C	350	385	260	350
			500kHz	50mT	25°C	200	165	100	230
					100°C	200	230	120	230
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	530	540	520	520
					100°C	405	420	415	420
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	80	70	100	100
					100°C	50	40	80	70
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	8	8	13	11
					100°C	5	6	11	8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6	< 0.6	< 0.6	< 0.6
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.1 mT	25°C	< 1	< 1	< 1	< 1
Curie Temperature	Tc	°C				≥ 215	≥ 215	≥ 215	≥ 220
Resistivity	ρ	Ωm				5.00	5.00	5.00	5.00
Density	d	g/cm³				4.90	4.90	4.85	4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (3)

	Symbol	Unit	Measuring Conditions			High Bs Materials	
			Freq.	Flux den.	Temp.	P49	P491
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1700 ± 25%	1500 ± 25%
Power Loss	Pv	KW/m^3	25kHz	200mT	25°C	-	160
					100°C	-	240
			100kHz	200mT	25°C	800	900
					100°C	400	1390
			500kHz	50mT	25°C	450	250
					100°C	220	560
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	540	600
					100°C	460	500
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	280	140
					100°C	50	235
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	15	21
					100°C	7	20
Curie Temperature	Tc	°C				≥ 280	≥ 300
Resistivity	ρ	Ωm				3.00	5.00
Density	d	g/cm^3				4.90	4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (4)

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Materials					
			Freq.	Flux den.	Temp.	P5	P51	P52	P53	P61	P63 NEW
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2000 ± 25%	1500 ± 25%	2000 ± 25%	1200 ± 25%	900 ± 25%	900 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4000	> 2500	> 4000	> 1900	> 1700	> 1700
					100°C	> 4000	> 2500	> 4000	> 2000	> 1800	> 1800
Power Loss	Pv	KW/m^3	300kHz	100mT	25°C	600	410	510	350	-	-
					100°C	350	370	450	310	-	-
			500kHz	50mT	25°C	220	200	150	80	-	-
					100°C	250	100	140	60	-	-
			700kHz	50mT	25°C	600	300	300	-	-	-
					100°C	550	250	350	-	-	-
			1MHz	50mT	25°C	-	600	750	300	250	80
					100°C	-	600	1000	300	110	80
			2MHz	80mT	25°C	-	-	-	-	-	1600
					100°C	-	-	-	-	-	2000
			3MHz	10mT	25°C	-	-	-	-	50	20
					100°C	-	-	-	-	50	20
			3MHz	30mT	25°C	-	-	-	-	450	200
					100°C	-	-	-	-	370	250
			5MHz	9mT	25°C	-	-	-	-	150	80
					100°C	-	-	-	-	170	80
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	470	490	500	515	515	540
					100°C	350	400	400	420	430	450
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	135	215	140	180	200	205
					100°C	70	125	110	120	135	115
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	17	35	21	38	50	50
					100°C	10	27	18	33	40	40
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1	< 1	< 1	<1	< 1	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2	<2	< 2	< 2
Curie Temperature	Tc	°C				≥ 220	≥ 250	≥ 250	≥ 280	≥ 280	≥ 280
Resistivity	ρ	Ωm				6.40	12.00	6.50	10.00	10.00	10.00
Density	d	g/cm^3				4.70	4.85	4.85	4.80	4.80	4.80

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (5)

	Symbol	Unit	Measuring Conditions			Conventional High μ For CM Chokes Materials			
			Freq.	Flux den.	Temp.	A10	A121	A13	A151
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	10000 ± 30%	12000 ± 30%	12000 ± 30%	15000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10	< 10	< 8	< 10
			100kHz		25°C	< 60	< 60	< 40	< 110
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	410	380	400	400
					100°C	210	180	200	170
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	140	130	120	220
					100°C	110	110	65	100
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 1.5	0 ~ 1.5	1 ~ 3	-1 ~ 1
					20 ~ 70°C	-0.5 ~ 1	-0.5 ~ 1	-1 ~ 1	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5	< 0.5	< 0.5	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2	< 2
Curie Temperature	Tc	°C				≥ 130	≥ 110	≥ 125	≥ 110
Resistivity	ρ	Ωm				0.15	0.12	0.15	0.10
Density	d	g/cm^3				4.90	4.90	4.90	5.00

Remark: Best impedance, and permeability v. s. frequency performance for 10,000μ_i materials.
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (6)

	Symbol	Unit	Measuring Conditions			Wide Band Filter Materials				
			Freq.	Flux den.	Temp.	A05	A06 NEW	A07	A071	A102
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	5000 ± 25%	6000 ± 25%	7000 ± 25%	7000 ± 25%	10000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 4	< 4	< 8	< 8	< 10
			100kHz		25°C	< 15	< 15	< 30	< 30	< 60
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	440	420	400	440	380
					100°C	300	280	200	280	180
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	80	70	150	80	95
					100°C	90	80	110	60	75
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 2	0 ~ 2.5	-1~1	-1~1	-1 ~ 1
					20 ~ 70°C	0 ~ 2	0 ~ 2.5	-1~1	-1~1	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.8	< 0.8	< 1.2	< 1.2	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 3	< 3	< 2	< 2	< 2
Curie Temperature	Tc	°C				≥ 140	≥ 140	≥ 130	≥ 145	≥ 120
Resistivity	ρ	Ωm				0.20	0.20	0.35	0.35	0.15
Density	d	g/cm^3				4.85	4.85	4.90	4.90	4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (7)

	Symbol	Unit	Measuring Conditions			High μ & Tc For Automotives Materials	
			Freq.	Flux den.	Temp.	A072 NEW	A104
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	7000 ± 25%	10000 ±30%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 5	< 10
			100kHz		25°C	< 15	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	485	460
					100°C	340	295
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	95	105
					100°C	80	105
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1.5 ~ 3.5	1 ~ 3
					20 ~ 70°C	-1.5 ~ 1.5	-1.5 ~ 0
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1.0	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 1.0	< 2.0
Curie Temperature	Tc	°C				≥ 180	≥ 155
Resistivity	ρ	Ωm				0.20	0.15
Density	d	g/cm^3				4.90	4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (8)

	Symbol	Unit	Measuring Conditions			High μ Wide Temperature Materials		
			Freq.	Flux den.	Temp.	A044	A064	N10
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	4000 ± 25%	6000 ± 25%	10000 ± 30%
					-20°C	-	-	> 9000
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 8	< 8	< 10
			100kHz		25°C	< 40	< 40	< 90
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	450	470	380
					100°C	315	330	130
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	55	135	160
					100°C	45	115	110
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1	-1 ~ 1	-1 ~ 0
					20 ~ 70°C	-1 ~ 1	-1 ~ 1	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5	< 0.5	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2
Curie Temperature	Tc	°C				≥ 170	≥ 170	≥ 100
Resistivity	ρ	Ωm				1.00	1.00	0.12
Density	d	g/cm^3				4.90	4.90	5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (9)

	Symbol	Unit	Measuring Conditions			For Wide Temperature LAN Materials		
			Freq.	Flux den.	Temp.	A043	A062	N07
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	4500 ± 25%	6000 ± 25%	7000 ± 25%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 10	< 10	< 5
			100kHz		25°C	< 10	< 30	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	460	460	400
					100°C	300	320	220
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	65	100	70
					100°C	60	80	60
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1 ~ 2	1 ~ 3	-1 ~ 1
					20 ~ 70°C	-1 ~ 1	-1 ~ 1	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5	< 0.5	< 0.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2
Curie Temperature	Tc	°C				≥ 160	≥ 160	≥ 130
Resistivity	ρ	Ωm				0.20	0.20	0.15
Density	d	g/cm^3				4.85	4.85	4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (10)

	Symbol	Unit	Measuring Conditions			Low THD Material
			Freq.	Flux den.	Temp.	A101
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	10000 ± 30%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 90
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	400
					100°C	220
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	175
					100°C	125
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				0.15
Density	d	g/cm^3				4.90

Remark: Best THD performance for 10,000μ_i materials.
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (11)

	Symbol	Unit	Measuring Conditions			Low η_B Materials		
			Freq.	Flux den.	Temp.	N4	N42	N43
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	2500 ± 25%	3800 ± 25%	750 ± 25%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 7	< 3.5	< 60
			100kHz		25°C	< 3	< 3.5	< 15
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	450	530	490
					100°C	320	425	400
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	180	100	400
					100°C	150	125	325
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	14	9	35
					100°C	9	13	21
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	5 ~ 25°C	< 1.3	7 ~ 9	< 2.2
					25 ~ 55°C	< 1.3	-4 ~ -2	< 1.8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6	< 0.3	< 2.5 (100kHz)
Curie Temperature	Tc	°C				≥ 170	≥ 250	≥ 250
Resistivity	ρ	Ωm				7.50	5.00	2.00
Density	d	g/cm^3				4.70	4.90	4.70

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (12)

	Symbol	Unit	Measuring Conditions			EMI Filter Material
			Freq.	Flux den.	Temp.	N5
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	2000 ± 25%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 1.24
			100kHz		25°C	< 23
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	370
					100°C	285
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	240
					100°C	140
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	-
					100°C	-
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	5 ~ 25°C	< 1.1
					25 ~ 55°C	< 5.8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.36
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				140
Density	d	g/cm^3				4.95

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (13)

	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Materials							
			Freq.	Flux den.	Temp.	K081	K10	K12	K13 NEW	K15	K151 NEW	K20	K25 NEW
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	800 ± 25%	1000 ± 25%	1200 ± 25%	1300 ± 25%	1500 ± 25%	1500 ± 25%	2000 ± 25%	2500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	400	355	-	-	-	-	-	-
				H = 1200A/m		-	-	355	340	330	290	300	275
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	280	250	-	-	-	-	-	-
				H = 1200A/m		-	-	250	190	200	150	150	170
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	21	19	-	-	-	-	-	-
				H = 1200A/m		-	-	12	16	11	20	11	14
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	17	11	13	15	11	10	11	15
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	8	8	11	8	6	4	3	3
Curie Temperature	Tc	°C				≥ 190	≥ 160	≥ 160	≥ 150	≥ 130	≥ 110	≥ 100	≥ 90
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (14)

	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Materials							
			Freq.	Flux den.	Temp.	D1C	D25	D27	D28	D30	D35	D37 NEW	D40
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	350 ± 25%	500 ± 25%	700 ± 25%	800 ± 25%	1000 ± 25%	1100 ± 25%	1500 ± 25%	2000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	360	390	365	365	340	-	-	-
				H = 1200A/m		-	-	-	-	-	305	290	275
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	255	260	235	180	115	-	-	-
				H = 1200A/m		-	-	-	-	-	140	150	115
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	31	58	20	26	28	-	-	-
				H = 1200A/m		-	-	-	-	-	22	20	8
Relative Loss Factor	tanδ/μ_i	10^{-6}	0.1MHz	< 0.25mT	25°C	-	-	20	20	35	20	10	18
			1MHz			30	248	-	-	-	-	-	-
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25mT	20 ~ 80°C	≤ 50	≤ 35	≤ 7	≤ 5	≤ 6	≤ 2	≤ 4	≤ 20
					-50 ~ 80°C	-	-	-	≤ 1.5	-	-	-	-
Curie Temperature	Tc	°C				≥ 160	≥ 180	≥ 150	≥ 150	≥ 140	≥ 120	≥ 110	≥ 90
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.00	5.00	4.80	5.00	5.00	5.00	5.00	5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (15)

	Symbol	Unit	Measuring Conditions			Conventional High Bs Materials			
			Freq.	Flux den.	Temp.	A30	A31	A40	A50
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	300 ± 25%	300 ± 25%	400 ± 25%	500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H =4000A/m	25°C	435	435	430	330
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	300	180	320	125
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	68	52	62	56
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	-	-	-	30
			0.4MHz			-	50	-	-
			1MHz			40	-	35	-
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 25	≤ 25	≤ 20	1 ~ 5
Curie Temperature	Tc	°C				≥ 250	≥ 250	≥ 250	≥ 150
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.00	5.00	5.00	5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (16)

	Symbol	Unit	Measuring Conditions			Automotive High Bs Materials					
			Freq.	Flux den.	Temp.	B25	B30	B40	B45	B60	B90
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	250 ± 25%	300 ± 25%	400 ± 25%	450 ± 25%	600 ± 25%	900 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	445	470	430	450	430	390
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	320	250	300	270	300	250
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	95	80	45	49	40	38
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	70	60	40	40	25	13
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	12	16	10	15	12	8
Curie Temperature	Tc	°C				≥ 250	≥ 300	≥ 240	≥ 240	≥ 210	≥ 180
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.20	5.20	5.20	5.20	5.20	5.20

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (17)

	Symbol	Unit	Measuring Conditions			Low Permeability Materials					
			Freq.	Flux den.	Temp.	L1	L2	L3	L4	L5	L6
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	150 ± 25%	60 ± 25%	20 ± 25%	50 ± 25%	100 ± 25%	14 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	410	420	305*	395	390	265*
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	170	275	120*	255	175	175*
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	105	140	600*	200	140	1540*
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10MHz	< 0.25mT	25°C	180**	150	445	170	350**	705
Curie Temperature	Tc	°C				≥ 250	≥ 250	≥ 300	≥ 300	≥ 250	≥ 300
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.10	5.10	5.10	5.10	5.10	5.10

* Measuring Conditions H=8000A/m

** Measuring Conditions Freq.=100KHz

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (18)

	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Materials								
			Freq.	Flux den.	Temp.	H2	H3	H3A	H3B	H4	H5	H5M	H5R	H5N
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	50 ± 25%	100 ± 25%	125 ± 25%	150 ± 25%	300 ± 25%	250 ± 25%	230 ± 25%	200 ± 25%	300 ± 25%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz		25°C	185	70	110	70	35	75	50	40	475
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	400	330	320	330	330	410	430	400	390
					100°C	350	275	260	270	240	345	365	330	310
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	195	225	235	245	205	295	250	290	260
					100°C	195	180	175	185	130	200	180	210	185
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	155	95	80	90	55	40	75	55	155
					100°C	120	65	50	60	35	30	60	35	125
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	100	80	110	60	100	40	30	25	≤ 5
Curie Temperature	Tc	°C				≥ 300	≥ 250	≥ 230	≥ 220	≥ 160	≥ 250	≥ 280	≥ 240	≥ 200
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.10	4.80	4.60	4.80	4.80	5.10	5.10	5.10	5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (19)

	Symbol	Unit	Measuring Conditions			Wide Temperature RFID Materials			
			Freq.	Flux den.	Temp.	F10	F52	F80	F100 NEW
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	100 ± 25%	500 ± 25%	800 ± 25%	1000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330	330	360	335
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	185	150	155	140
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	220	70	45	33
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	-	20	20	16
			1MHz			55	-	-	-
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25mT	20 ~ 60°C	-	1 ~ 2	-1 ~ 1	-1 ~ 1
					20 ~ 80°C	≤ 35	-	-	-
Curie Temperature	Tc	°C				≥ 170	≥ 140	≥ 150	≥ 130
Resistivity	ρ	Ωm				> 10^6	> 10^6	> 10^6	> 10^6
Density	d	g/cm^3				5.10	5.10	5.10	5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Material Characteristics (20)

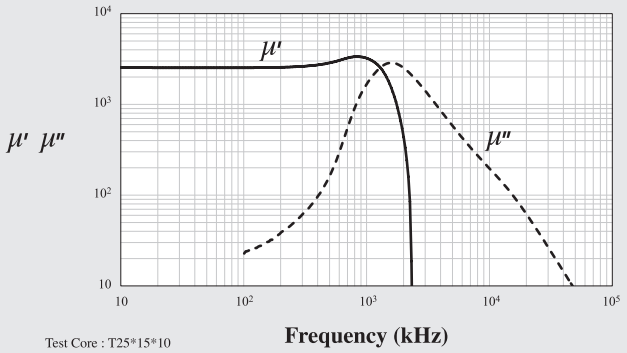
	Symbol	Unit	Measuring Conditions			EMI-Filter Material
			Freq.	Flux den.	Temp.	M80
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	800 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	315
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	215
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	17
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	19
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	10
Curie Temperature	Tc	°C				≥ 140
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm^3				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

	Symbol	Unit	Measuring Conditions			Conventional Low Loss Material
			Freq.	Flux den.	Temp.	P4
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2500 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4500
					100°C	> 4500
Power Loss	Pv	KW/m³	25kHz	200mT	25°C	105
					100°C	55
			100kHz	200mT	25°C	630
					100°C	450
			300kHz	100mT	25°C	660
					100°C	430
			500kHz	50mT	25°C	380
					100°C	330
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	480
					100°C	380
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	135
					100°C	75
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	14
					100°C	9
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 220
Resistivity	ρ	Ωm				5.50
Density	d	g/cm³				4.80

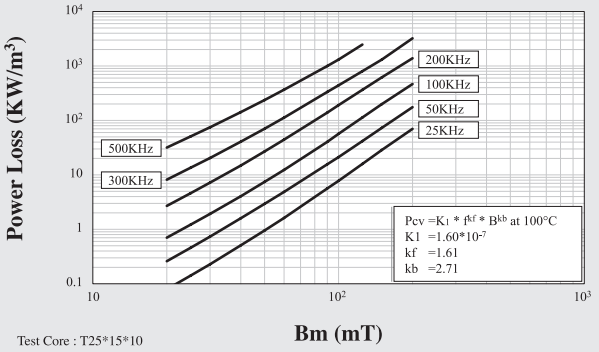
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



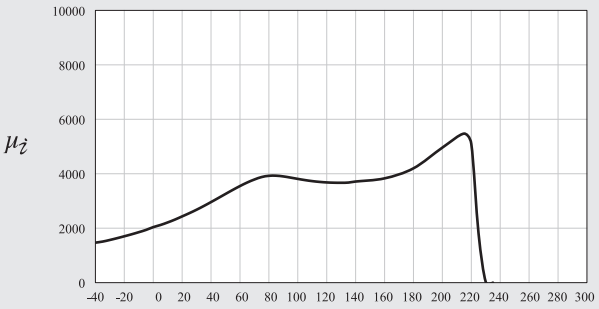
Test Core : T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



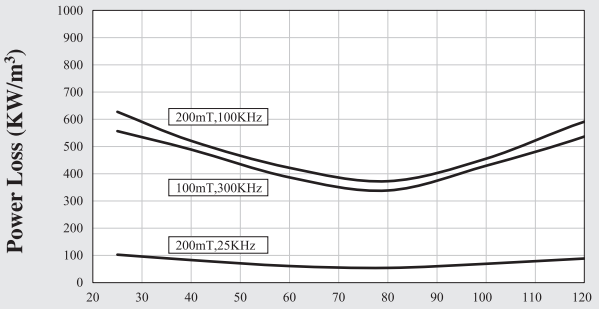
Test Core : T25*15*10

Initial Permeability V.S. Temperature



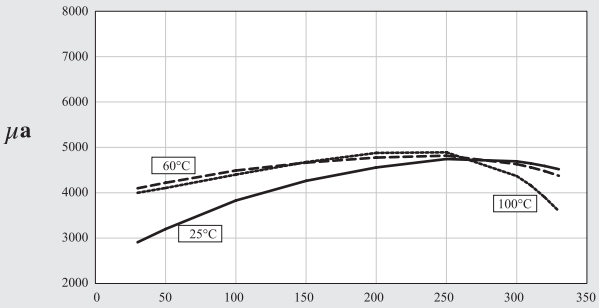
Test Core : T25*15*10

Power Loss V.S. Temperature



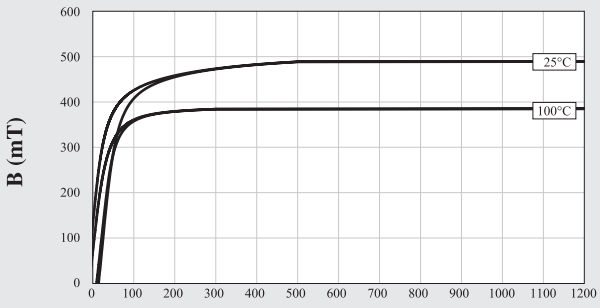
Test Core : T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core : T25*15*10

Saturation Flux Density V.S. Magnetic Field

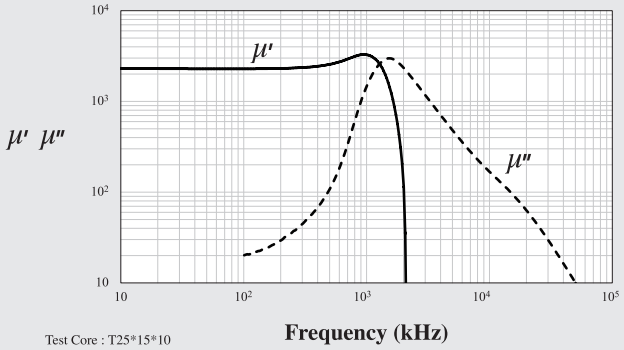


Test Core : T25*15*10

	Symbol	Unit	Measuring Conditions			Conventional Low Loss Material
			Freq.	Flux den.	Temp.	P41
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2400 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4500
					100°C	> 4500
Power Loss	Pv	KW/m³	25kHz	200mT	25°C	125
					100°C	50
			100kHz	200mT	25°C	650
					100°C	350
			300kHz	100mT	25°C	820
					100°C	500
			500kHz	50mT	25°C	400
					100°C	300
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	495
					100°C	395
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	170
					100°C	55
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	13
					100°C	6
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 230
Resistivity	ρ	Ωm				4.00
Density	d	g/cm³				4.85

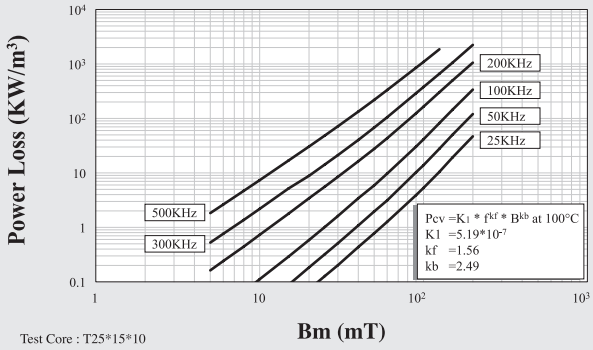
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



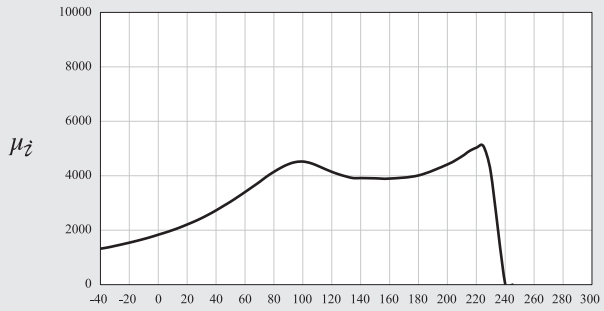
Test Core : T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



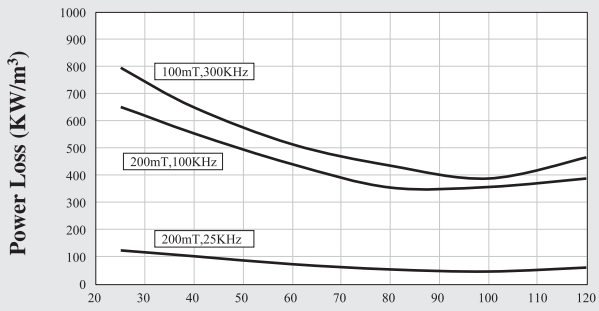
Test Core : T25*15*10

Initial Permeability V.S. Temperature



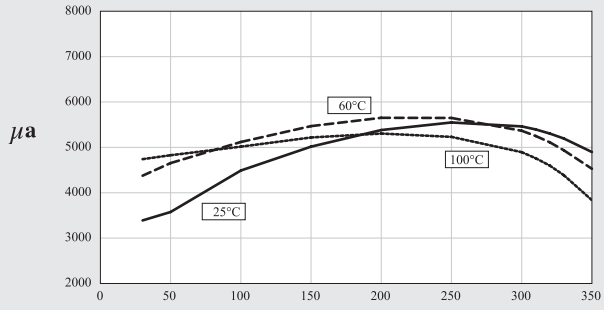
Test Core : T25*15*10

Power Loss V.S. Temperature



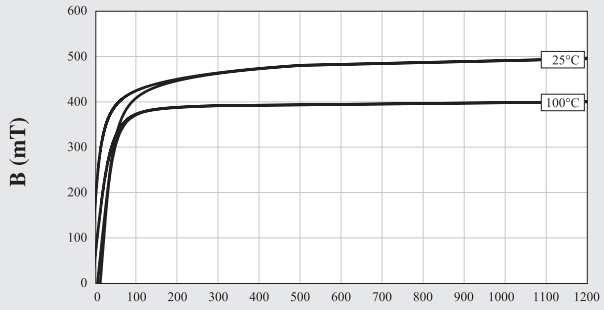
Test Core : T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core : T25*15*10

Saturation Flux Density V.S. Magnetic Field

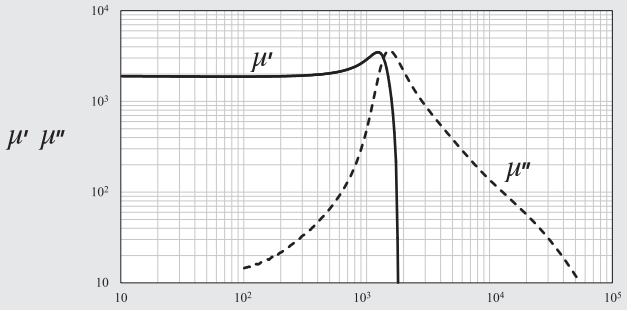


Test Core : T25*15*10

	Symbol	Unit	Measuring Conditions			Conventional Low Loss Material
			Freq.	Flux den.	Temp.	P42
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1800 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 5000
					100°C	> 5000
Power Loss	Pv	KW/m³	25kHz	200mT	25°C	125
					100°C	50
			100kHz	200mT	25°C	750
					100°C	350
			300kHz	100mT	25°C	900
					100°C	500
			500kHz	50mT	25°C	450
					100°C	300
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	520
					100°C	420
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	230
					100°C	60
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	13
					100°C	8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 240
Resistivity	ρ	Ωm				8.00
Density	d	g/cm³				4.90

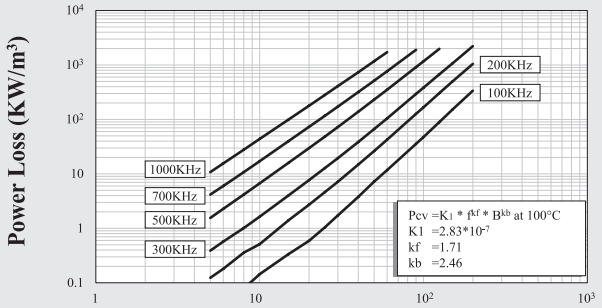
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



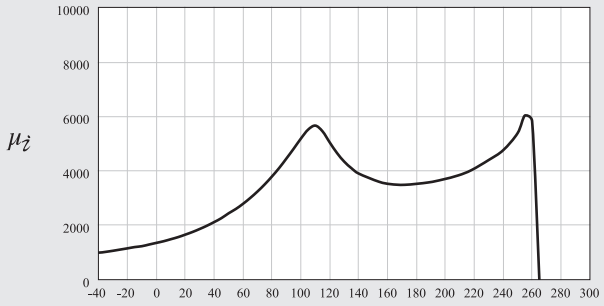
Test Core : T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



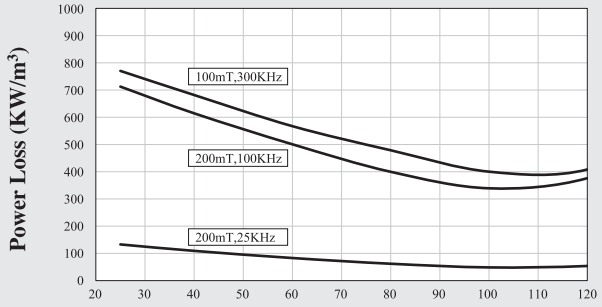
Test Core : T25*15*10

Initial Permeability V.S. Temperature



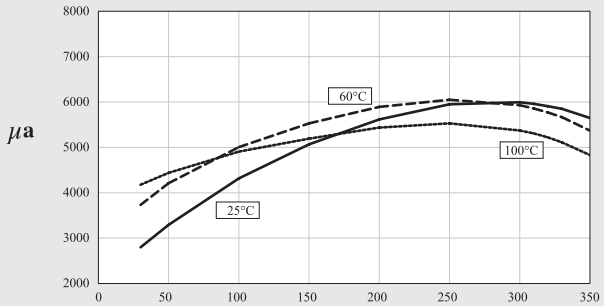
Test Core : T25*15*10

Power Loss V.S. Temperature



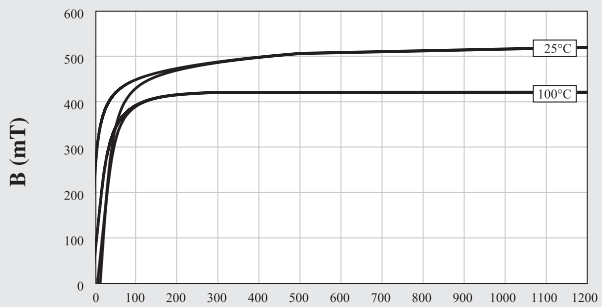
Test Core : T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core : T25*15*10

Saturation Flux Density V.S. Magnetic Field

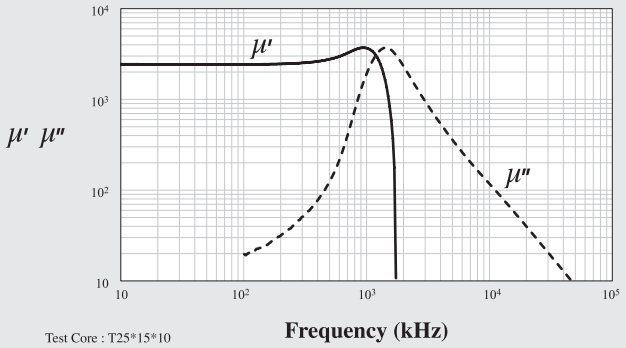


Test Core : T25*15*10

	Symbol	Unit	Measuring Conditions			Conventional Low Loss Material
			Freq.	Flux den.	Temp.	P48
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2500 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 5000
					100°C	> 5000
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	550
					100°C	250
			300kHz	100mT	25°C	570
					100°C	330
			500kHz	50mT	25°C	250
					100°C	200
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	515
					100°C	410
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	150
					100°C	55
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	13
					100°C	6
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 220
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.90

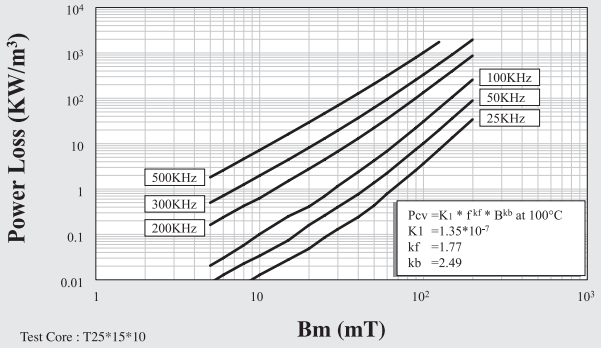
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



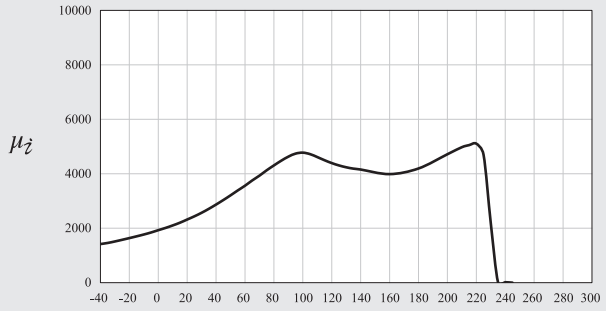
Test Core : T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



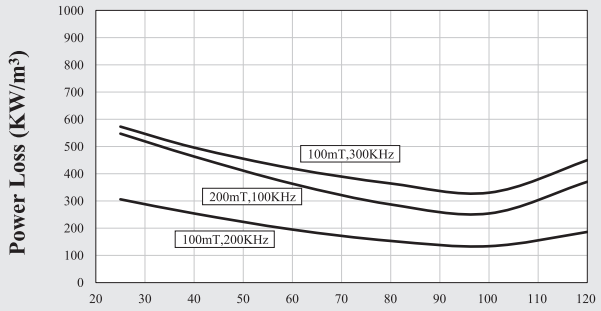
Test Core : T25*15*10

Initial Permeability V.S. Temperature



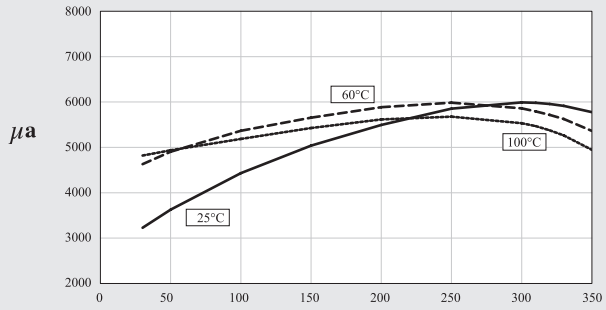
Test Core : T25*15*10

Power Loss V.S. Temperature



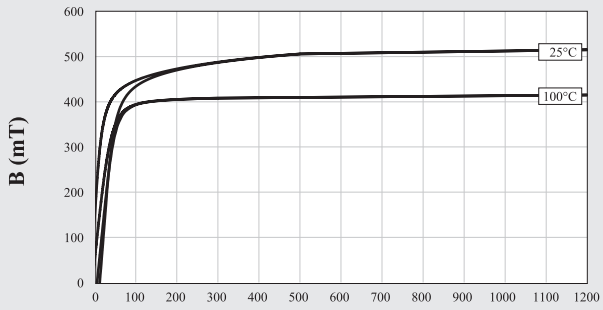
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core : T25*15*10

Saturation Flux Density V.S. Magnetic Field

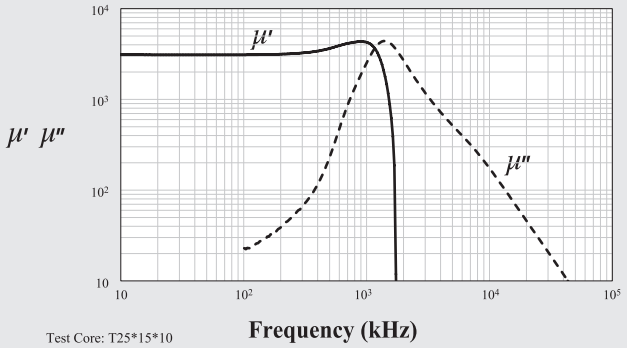


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			Wide Temperature Low Loss Material
			Freq.	Flux den.	Temp.	P45
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	3100 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 5000
					100°C	> 5000
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	360
					100°C	260
			300kHz	100mT	25°C	400
					100°C	350
			500kHz	50mT	25°C	200
					100°C	200
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	530
					100°C	405
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	80
					100°C	50
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	8
					100°C	5
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 1
Curie Temperature	Tc	°C				≥ 215
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.90

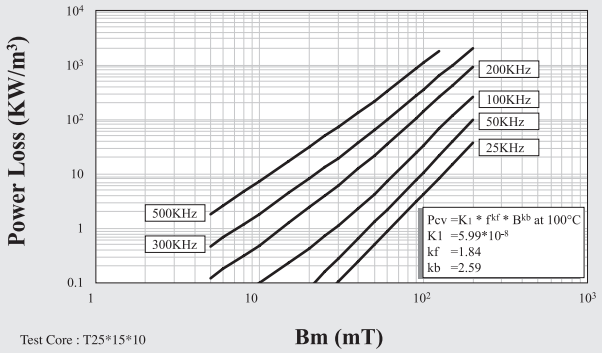
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



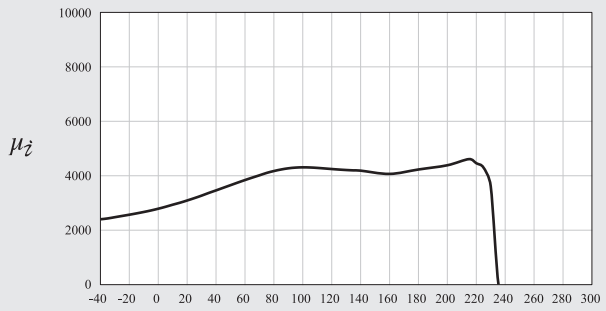
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



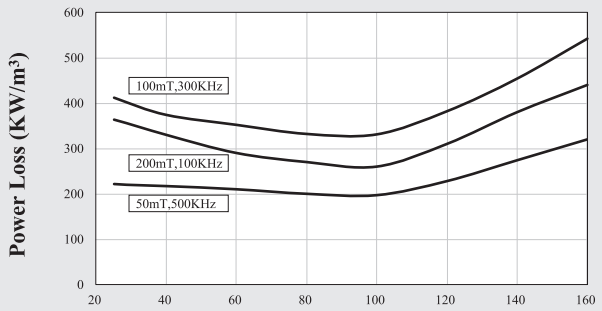
Test Core : T25*15*10

Initial Permeability V.S. Temperature



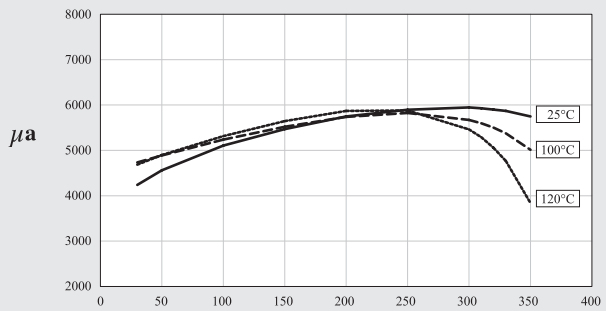
Test Core: T25*15*10

Power Loss V.S. Temperature



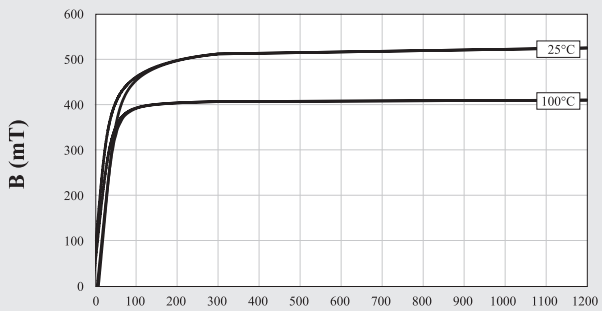
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

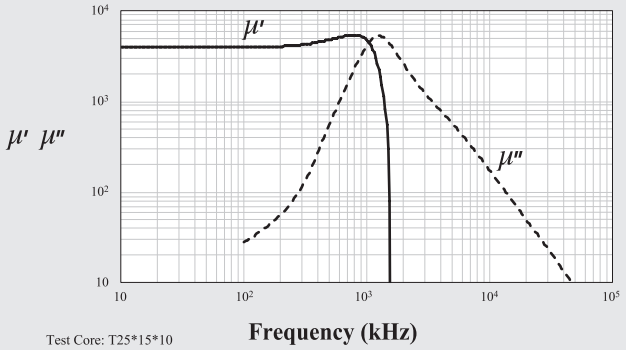


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			Wide Temperature Low Loss Material
			Freq.	Flux den.	Temp.	P451
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	3800 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 5000
					100°C	> 5000
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	270
					100°C	310
			300kHz	100mT	25°C	295
					100°C	385
			500kHz	50mT	25°C	165
					100°C	230
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	540
					100°C	420
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	70
					100°C	40
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	8
					100°C	6
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 1
Curie Temperature	Tc	°C				≥ 215
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.90

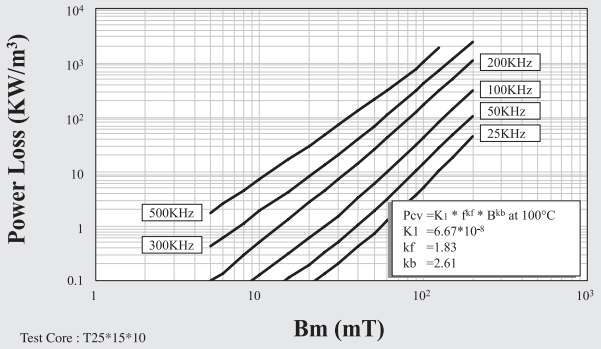
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



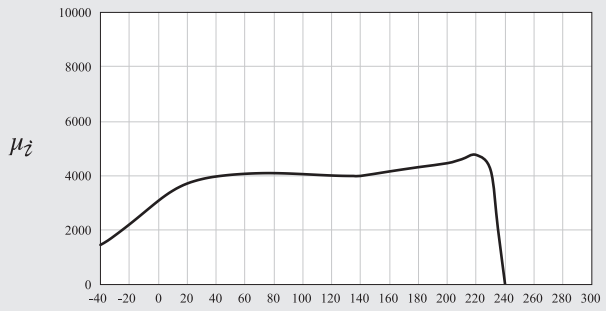
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



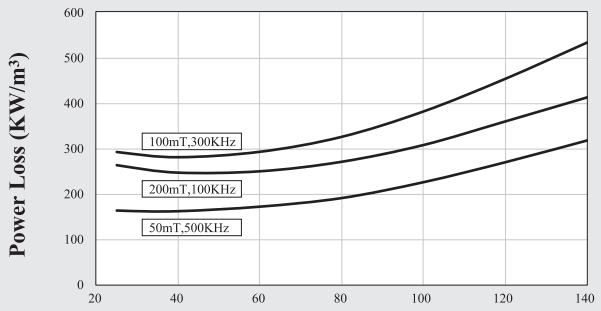
Test Core : T25*15*10

Initial Permeability V.S. Temperature



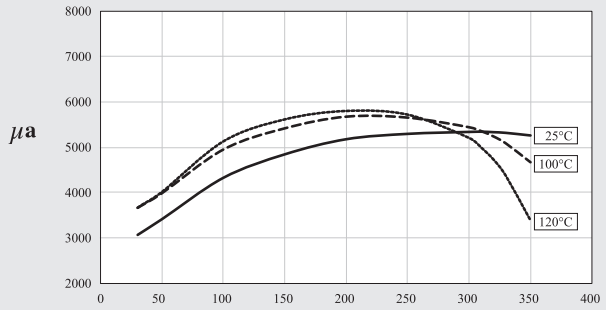
Test Core: T25*15*10

Power Loss V.S. Temperature



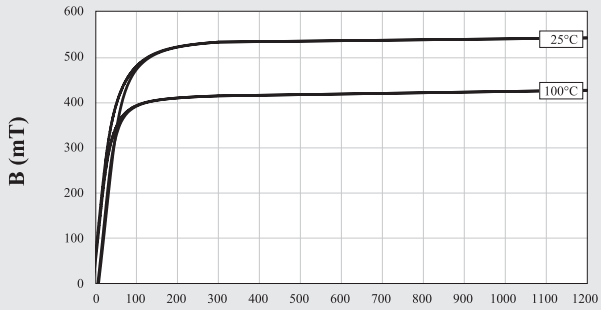
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

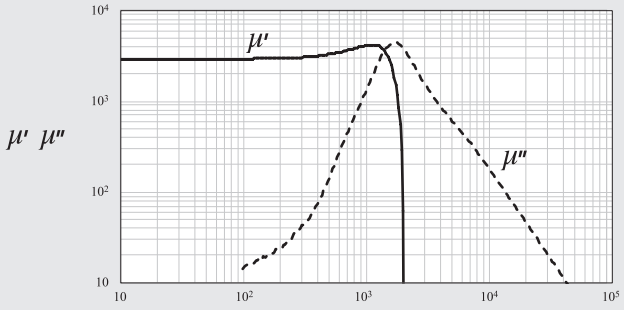


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			Wide Temperature Low Loss Material
			Freq.	Flux den.	Temp.	P452
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	3000 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 3900
					100°C	> 4450
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	310
					100°C	380
			300kHz	100mT	25°C	300
					100°C	260
			500kHz	50mT	25°C	100
					100°C	120
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	520
					100°C	415
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	100
					100°C	80
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	13
					100°C	11
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 1
Curie Temperature	Tc	°C				≥ 215
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.85

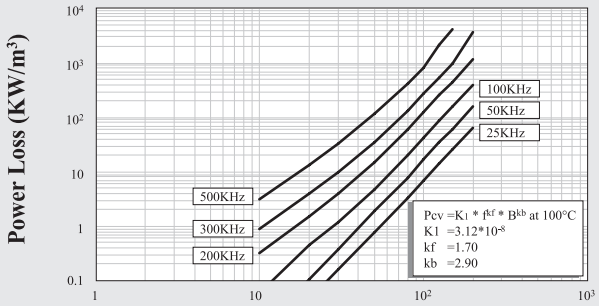
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



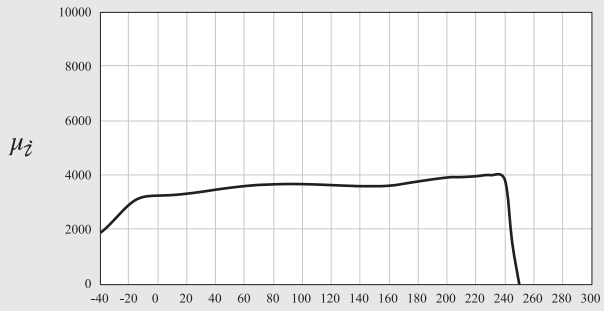
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



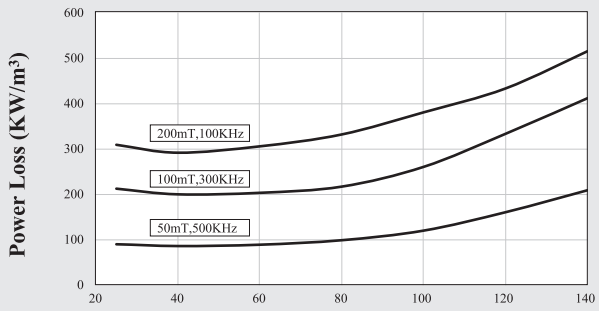
Test Core : T25*15*10

Initial Permeability V.S. Temperature



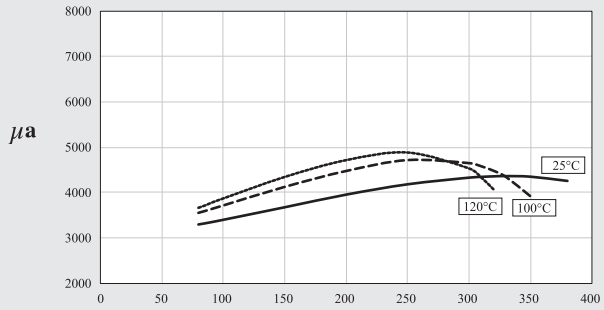
Test Core: T25*15*10

Power Loss V.S. Temperature



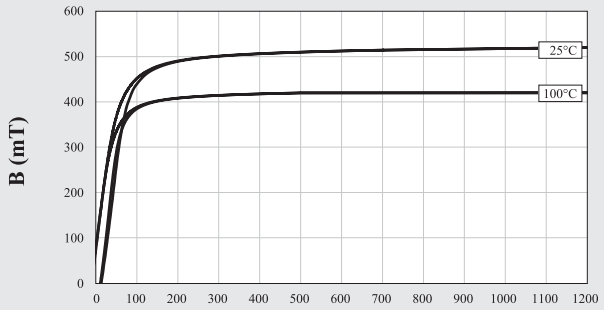
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

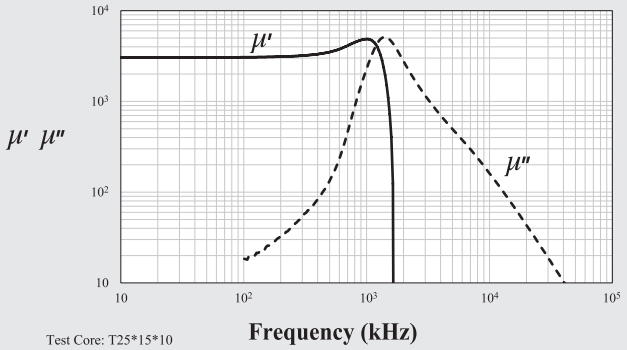


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			Wide Temperature Low Loss Material
			Freq.	Flux den.	Temp.	P47
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	3000 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4500
					100°C	> 4500
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	340
					100°C	350
			300kHz	100mT	25°C	350
					100°C	350
			500kHz	50mT	25°C	230
					100°C	230
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	520
					100°C	420
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	100
					100°C	70
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	11
					100°C	8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 1
Curie Temperature	Tc	°C				≥ 220
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.90

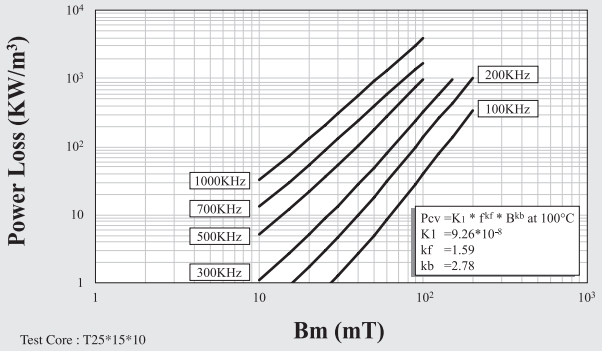
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



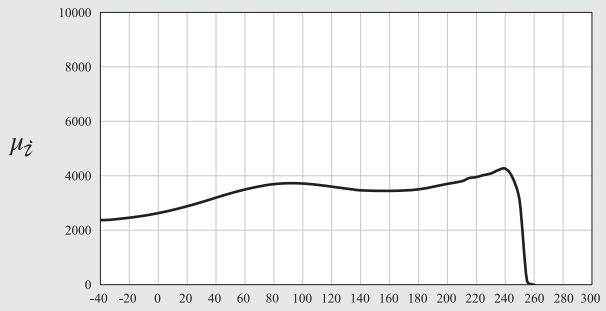
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



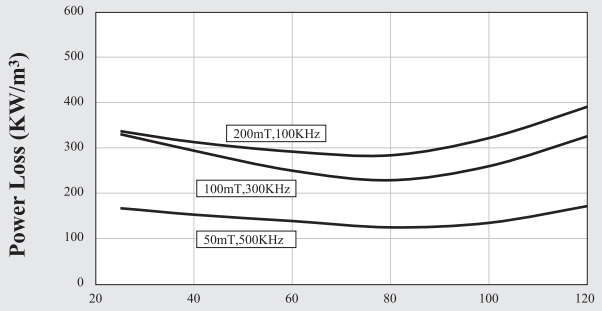
Test Core : T25*15*10

Initial Permeability V.S. Temperature



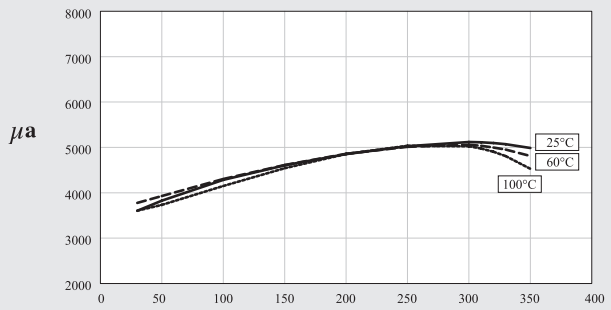
Test Core: T25*15*10

Power Loss V.S. Temperature



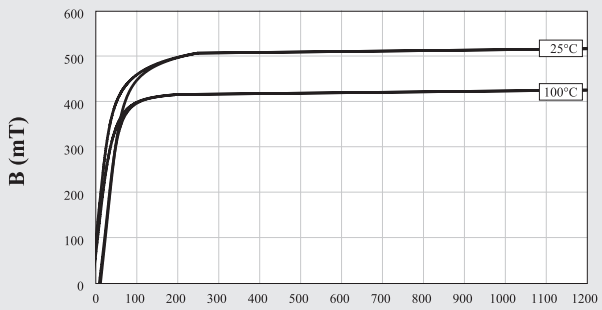
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

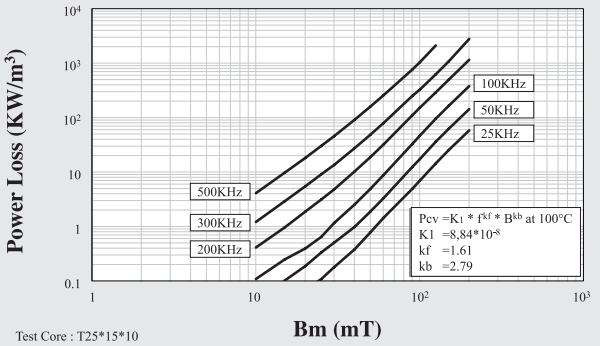


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			High Bs Material
			Freq.	Flux den.	Temp.	P49
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1700 ± 25%
Power Loss	Pv	KW/m³	100kHz	200mT	25°C	800
					100°C	400
			500kHz	50mT	25°C	450
					100°C	220
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	540
					100°C	460
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	280
					100°C	50
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	15
					100°C	7
Curie Temperature	Tc	°C				≥ 280
Resistivity	ρ	Ωm				3.00
Density	d	g/cm³				4.90

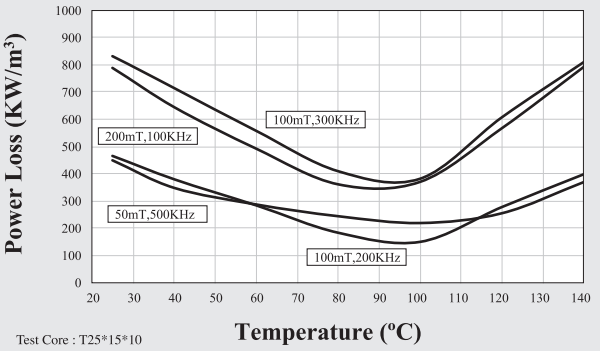
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Power Loss V.S. Temperature/Flux Density/Frequency



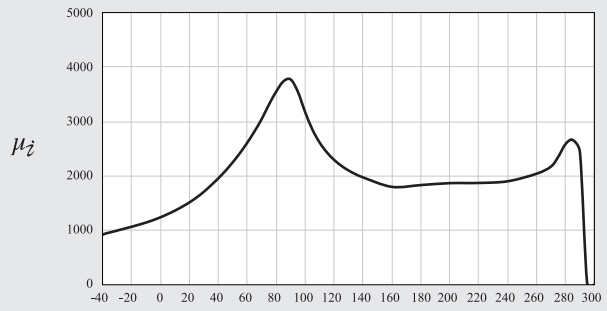
Test Core : T25*15*10

Power Loss V.S. Temperature



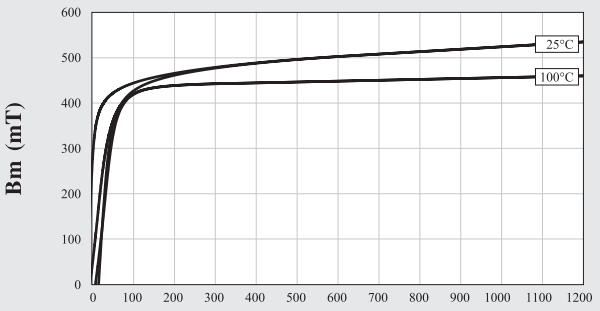
Test Core : T25*15*10

Initial Permeability V.S. Temperature



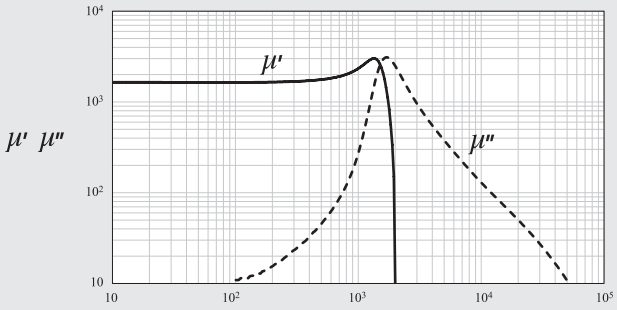
Test Core : T25*15*10

Saturation Flux Density V.S. Magnetic Field



Test Core : T25*15*10

Complex Permeability V.S. Frequency

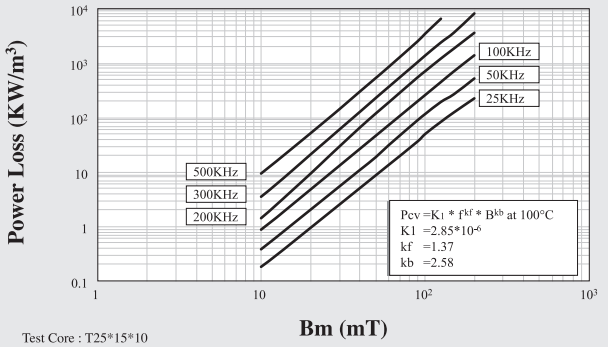


Test Core : T25*15*10

	Symbol	Unit	Measuring Conditions			High Bs Material
			Freq.	Flux den.	Temp.	P491
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1500 ± 25%
Power Loss	Pv	KW/m³	25kHz	200mT	25°C	160
					100°C	240
			100kHz	200mT	25°C	900
					100°C	1390
			500kHz	50mT	25°C	250
					100°C	560
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	600
					100°C	500
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	140
					100°C	235
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	21
					100°C	20
Curie Temperature	Tc	°C				≥ 300
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.90

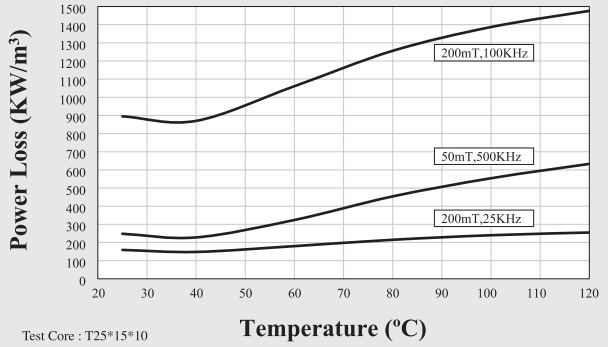
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Power Loss V.S. Temperature/Flux Density/Frequency



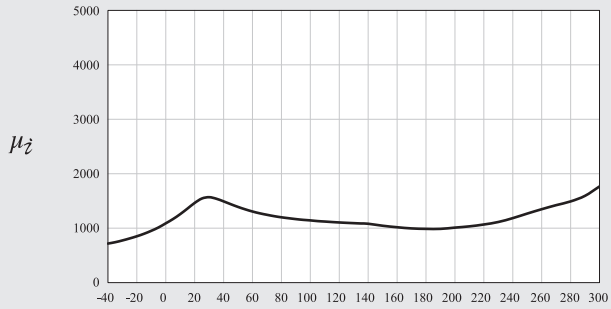
Test Core : T25*15*10

Power Loss V.S. Temperature



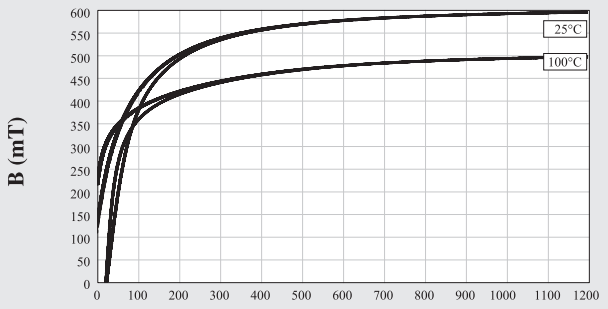
Test Core : T25*15*10

Initial Permeability V.S. Temperature



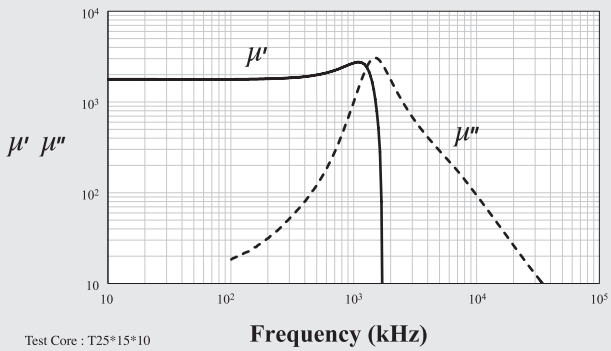
Test Core : T25*15*10

Saturation Flux Density V.S. Magnetic Field



Test Core : T25*15*10

Complex Permeability V.S. Frequency

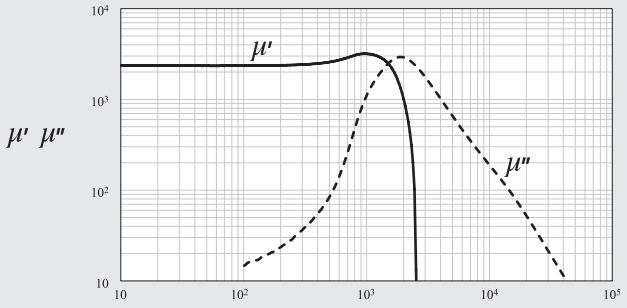


Test Core : T25*15*10

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P5
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2000 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4000
					100°C	> 4000
Power Loss	Pv	KW/m³	300kHz	100mT	25°C	600
					100°C	350
			500kHz	50mT	25°C	220
					100°C	250
			700kHz	50mT	25°C	600
					100°C	550
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	470
					100°C	350
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	135
					100°C	70
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	17
					100°C	10
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 220
Resistivity	ρ	Ωm				6.40
Density	d	g/cm³				4.70

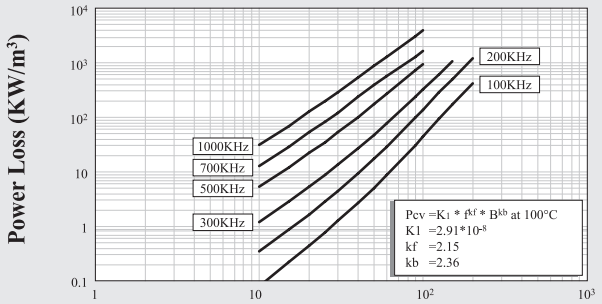
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



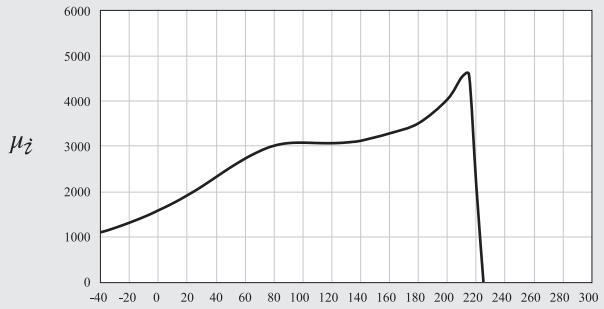
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



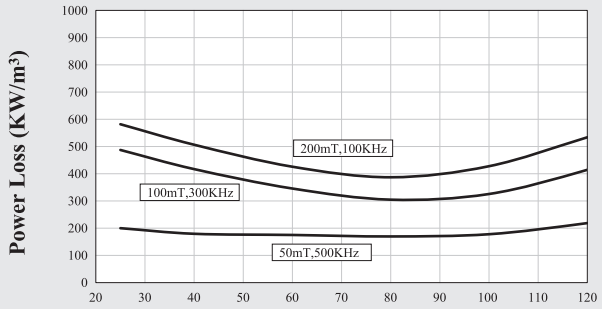
Test Core : T25*15*10

Initial Permeability V.S. Temperature



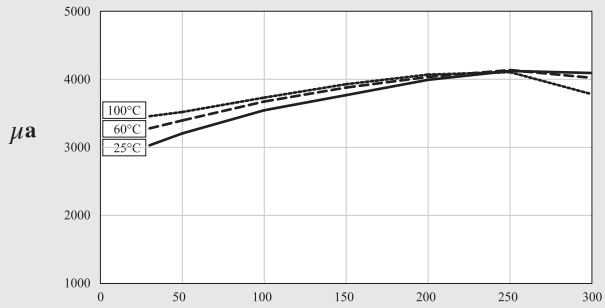
Test Core: T25*15*10

Power Loss V.S. Temperature



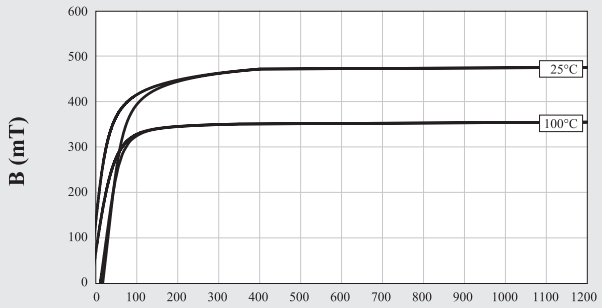
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

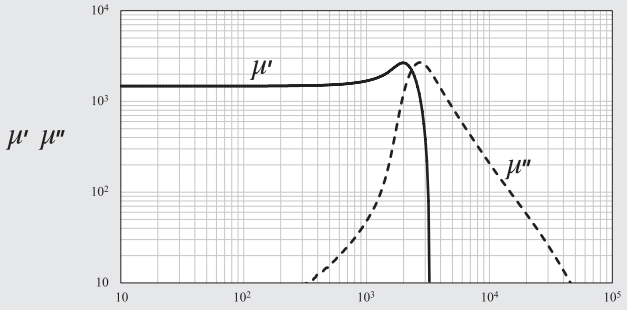


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P51
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1500 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 2500
					100°C	> 2500
Power Loss	Pv	KW/m³	300kHz	100mT	25°C	410
					100°C	370
			500kHz	50mT	25°C	200
					100°C	100
			700kHz	50mT	25°C	300
					100°C	250
			1000kHz	50mT	25°C	600
					100°C	600
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	490
					100°C	400
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	215
					100°C	125
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	35
					100°C	27
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				12.00
Density	d	g/cm³				4.85

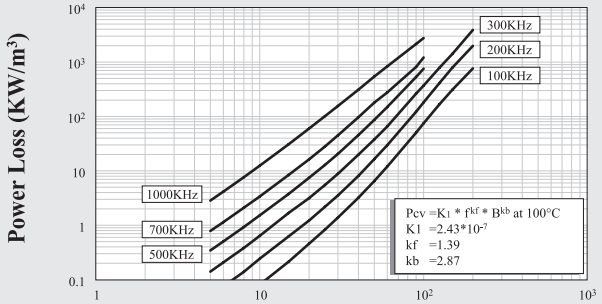
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



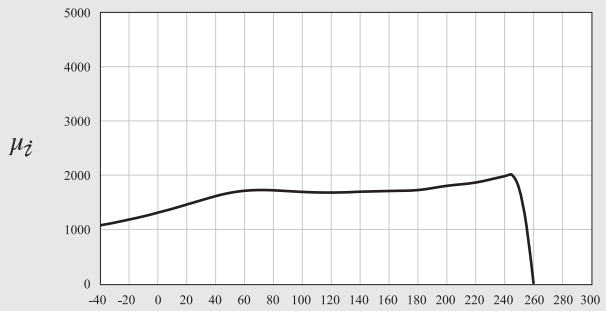
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



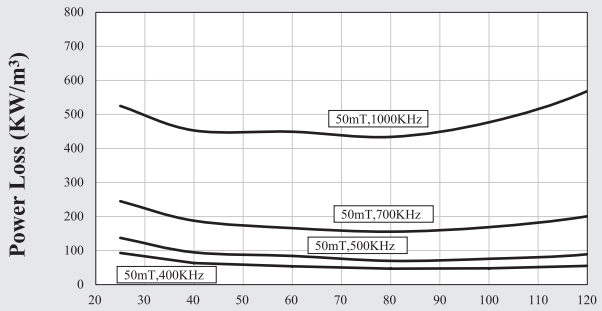
Test Core : T25*15*10

Initial Permeability V.S. Temperature



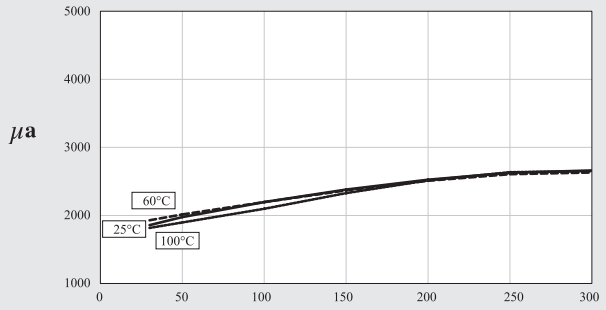
Test Core: T25*15*10

Power Loss V.S. Temperature



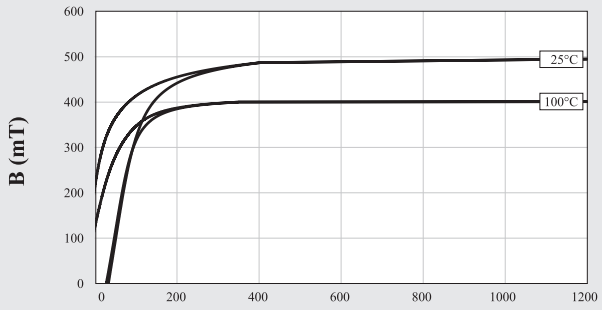
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

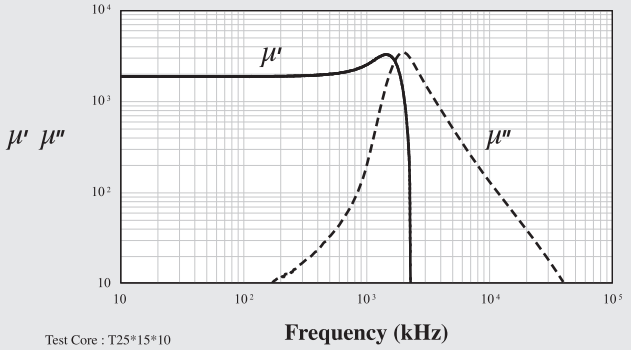


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P52
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2000 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4000
					100°C	> 4000
Power Loss	Pv	KW/m³	300kHz	100mT	25°C	510
					100°C	450
			500kHz	50mT	25°C	150
					100°C	140
			700kHz	50mT	25°C	300
					100°C	350
			1000kHz	50mT	25°C	750
					100°C	1000
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	500
					100°C	400
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	140
					100°C	110
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	21
					100°C	18
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				6.50
Density	d	g/cm³				4.85

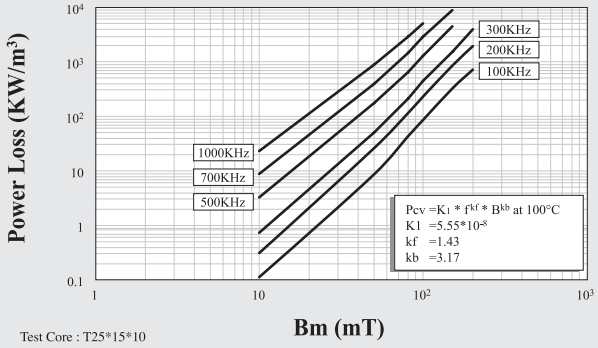
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



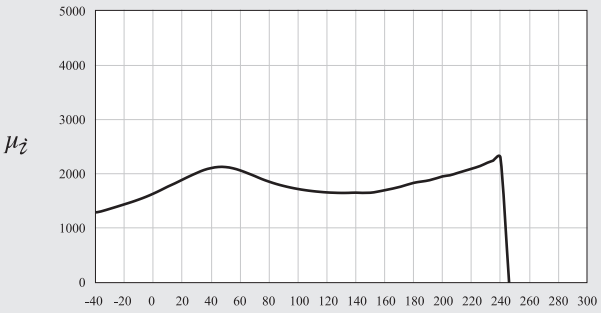
Test Core : T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



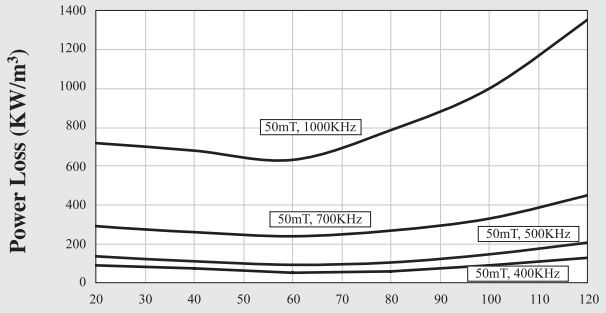
Test Core : T25*15*10

Initial Permeability V.S. Temperature



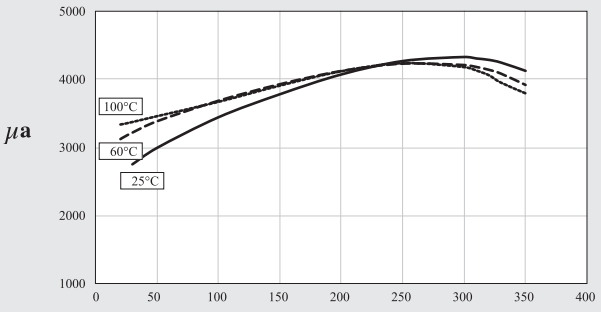
Test Core: T25*15*10

Power Loss V.S. Temperature



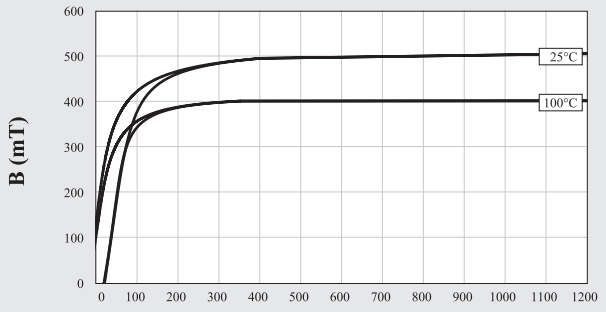
Test Core : T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

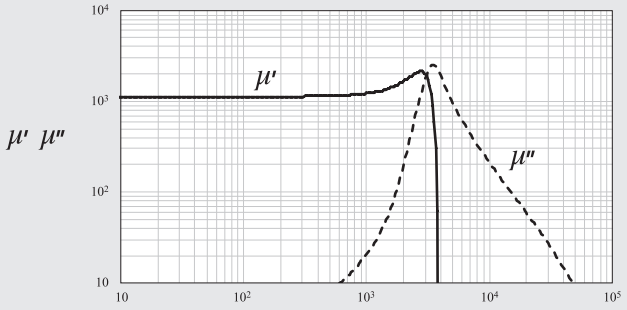


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P53
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1200 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 1900
					100°C	> 2000
Power Loss	Pv	KW/m³	300kHz	100mT	25°C	350
					100°C	310
			500kHz	50mT	25°C	80
					100°C	60
			500kHz	100mT	25°C	650
					100°C	650
			1000kHz	50mT	25°C	300
					100°C	300
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	515
					100°C	420
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	180
					100°C	120
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	38
					100°C	33
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 280
Resistivity	ρ	Ωm				10.00
Density	d	g/cm³				4.80

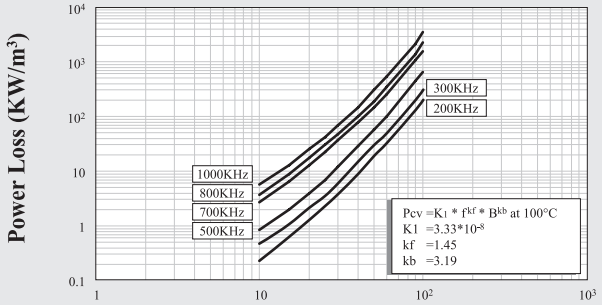
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



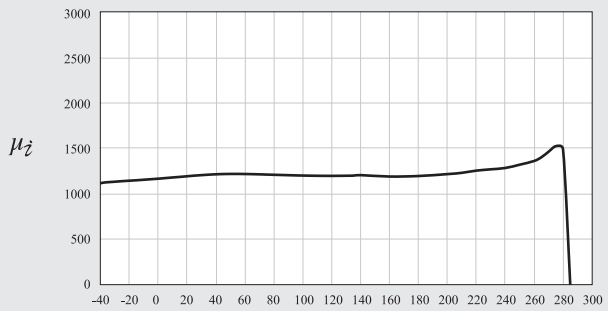
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



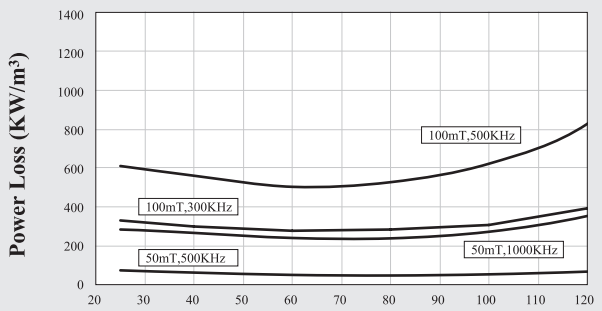
Test Core : T25*15*10

Initial Permeability V.S. Temperature



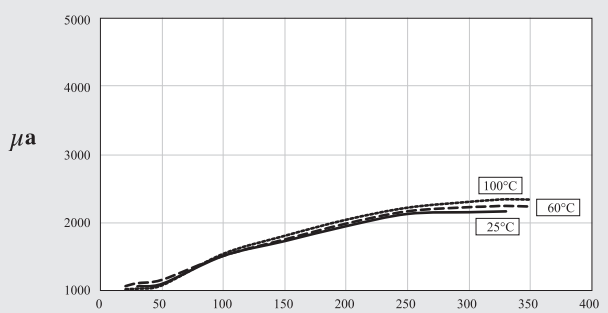
Test Core: T25*15*10

Power Loss V.S. Temperature



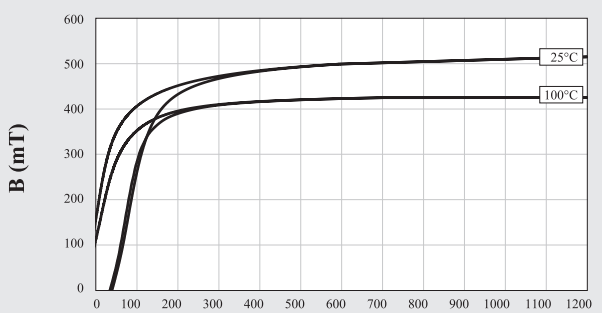
Test Core: T25*15*10

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

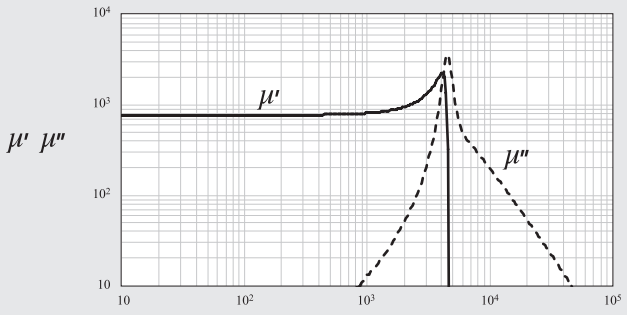


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P61
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	900 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 1700
					100°C	> 1800
Power Loss	Pv	KW/m³	1MHz	50mT	25°C	250
					100°C	110
			3MHz	10mT	25°C	50
					100°C	50
			3MHz	30mT	25°C	450
					100°C	370
			5MHz	9mT	25°C	150
					100°C	170
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	515
					100°C	430
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	200
					100°C	135
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	50
					100°C	40
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 280
Resistivity	ρ	Ωm				10.00
Density	d	g/cm³				4.80

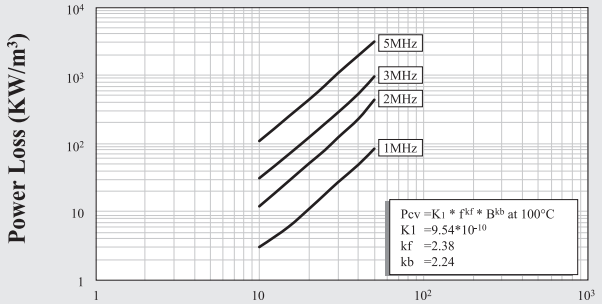
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



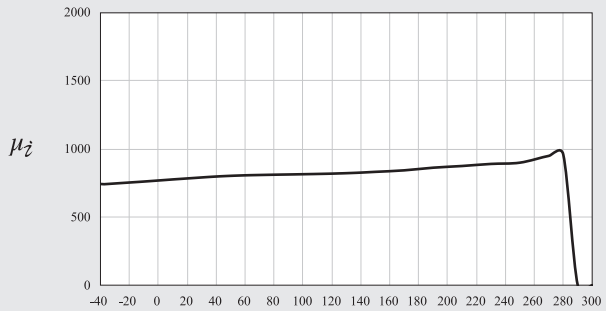
Test Core: T25*15*10

Power Loss V.S. Temperature/Flux Density/Frequency



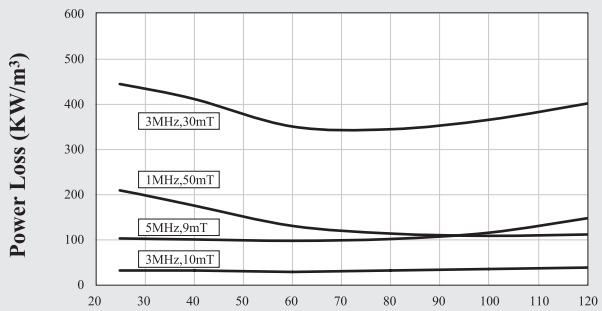
Test Core: T13.4*6.7*5.6

Initial Permeability V.S. Temperature



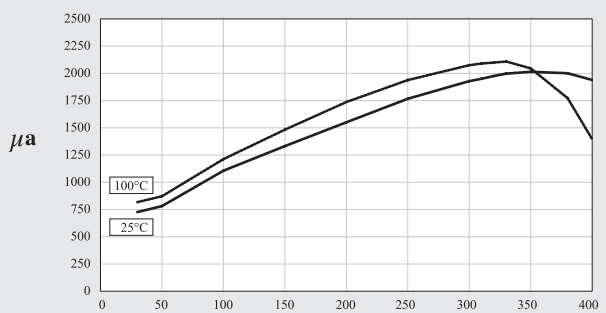
Test Core: T25*15*10

Power Loss V.S. Temperature



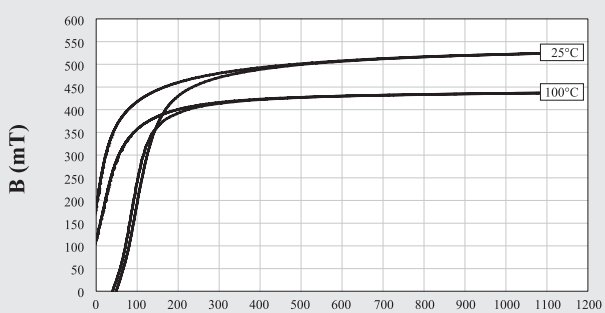
Test Core: T13.4*6.7*5.6

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field

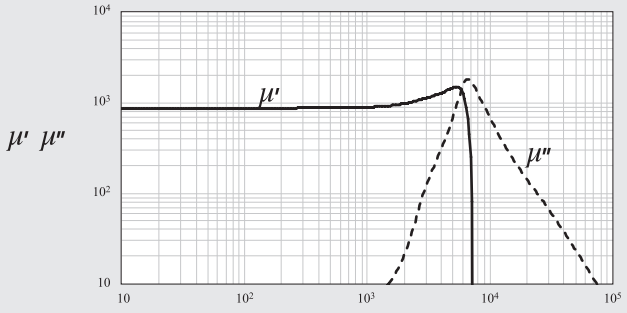


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P63
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	900 ± 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 1700
					100°C	> 1800
Power Loss	Pv	KW/m³	1MHz	50mT	25°C	80
					100°C	80
			2MHz	80mT	25°C	1600
					100°C	2000
			3MHz	10mT	25°C	20
					100°C	20
			3MHz	30mT	25°C	200
					100°C	250
			5MHz	9mT	25°C	80
					100°C	80
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	540
					100°C	450
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	205
					100°C	115
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	50
					100°C	40
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 280
Resistivity	ρ	Ωm				10.00
Density	d	g/cm³				4.80

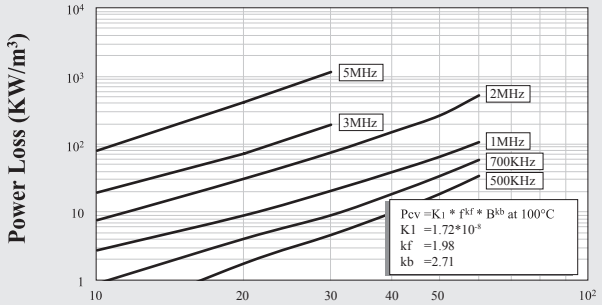
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Complex Permeability V.S. Frequency



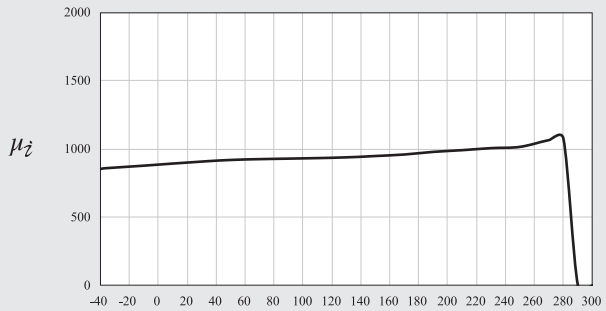
Test Core: T14*8*5

Power Loss V.S. Temperature/Flux Density/Frequency



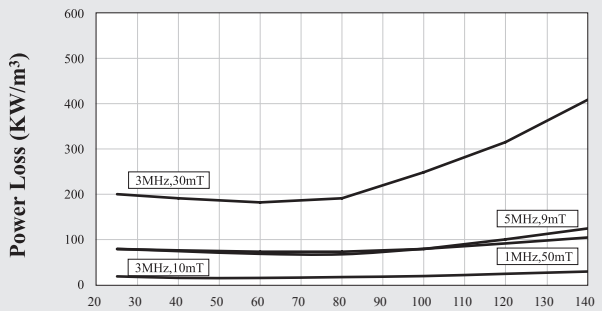
Test Core: T14*8*5

Initial Permeability V.S. Temperature



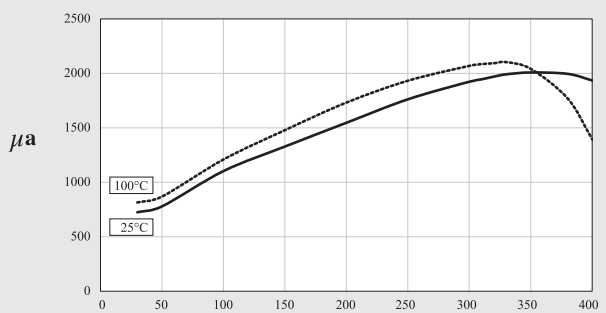
Test Core: T14*8*5

Power Loss V.S. Temperature



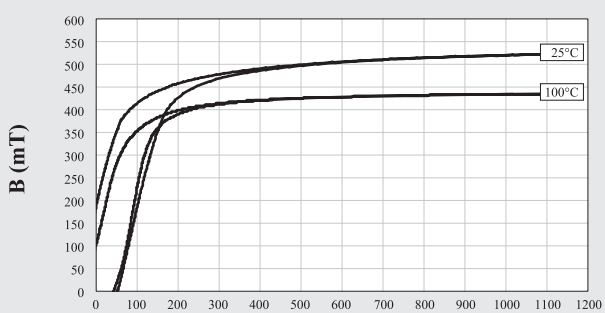
Test Core: T14*8*5

Amplitude Permeability V.S. Flux Density (Bm)



Test Core: T14*8*5

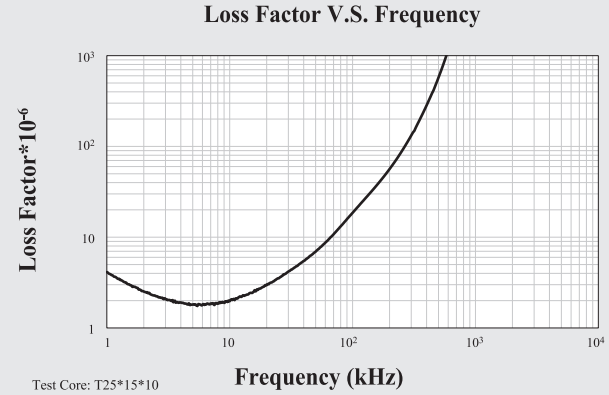
Saturation Flux Density V.S. Magnetic Field

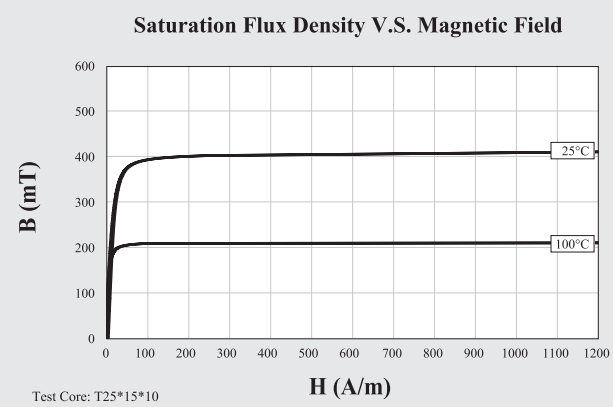


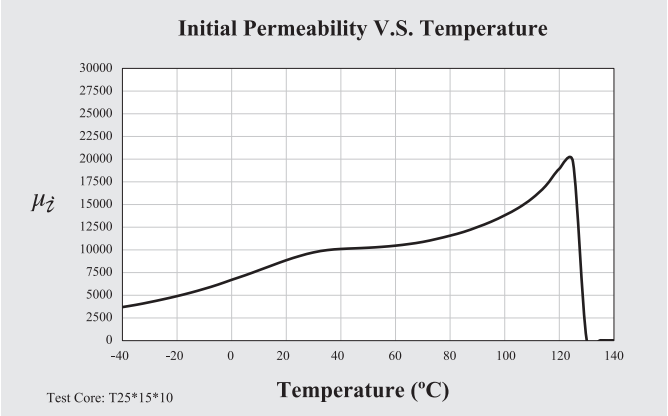
Test Core: T14*8*5

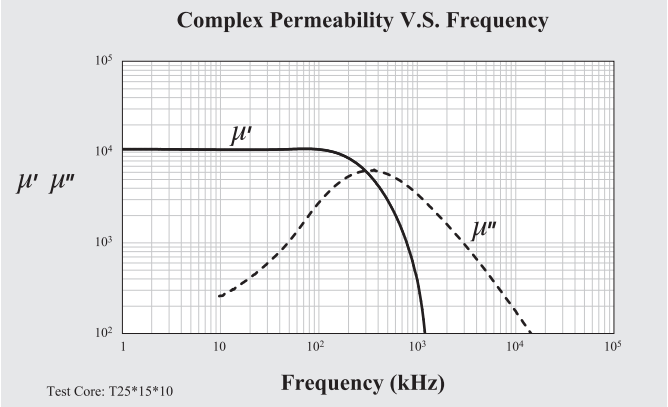
	Symbol	Unit	Measuring Conditions			Conventional High μ For CM Chokes Material
			Freq.	Flux den.	Temp.	A10
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	10000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 60
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	410
					100°C	210
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	140
					100°C	110
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 1.5
					20 ~ 70°C	-0.5 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				0.15
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



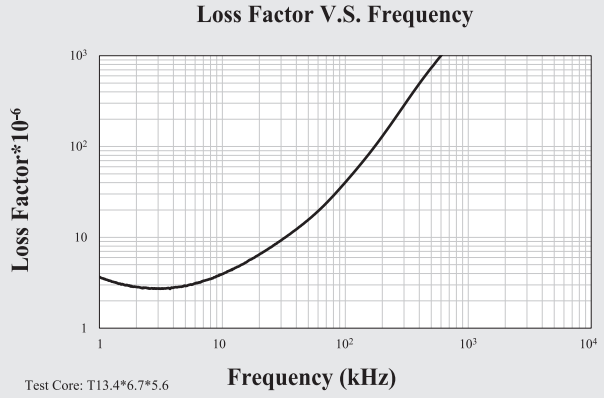


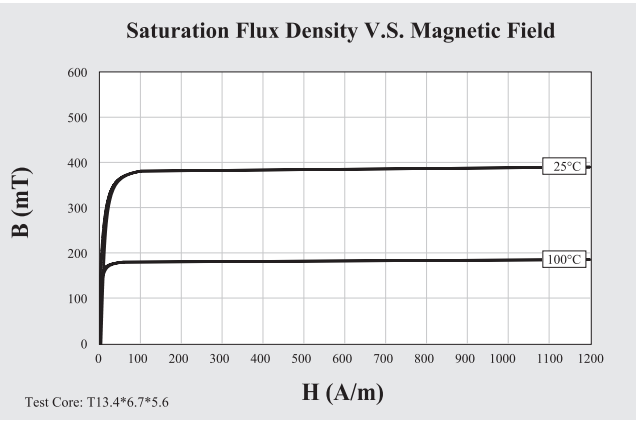


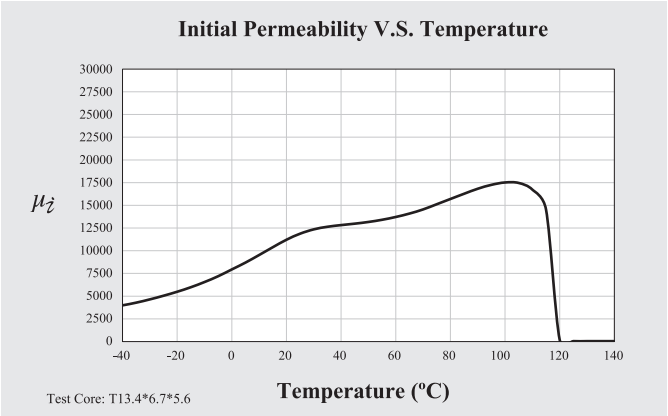


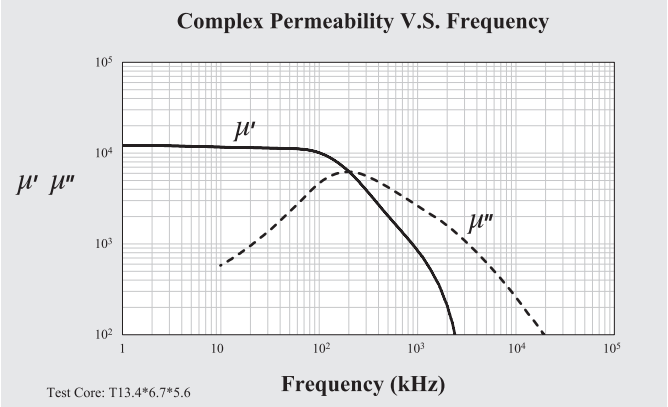
	Symbol	Unit	Measuring Conditions			Conventional High μ For CM Chokes Material
			Freq.	Flux den.	Temp.	A121
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	12000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 60
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	380
					100°C	180
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	130
					100°C	110
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 1.5
					20 ~ 70°C	-0.5 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 110
Resistivity	ρ	Ωm				0.12
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



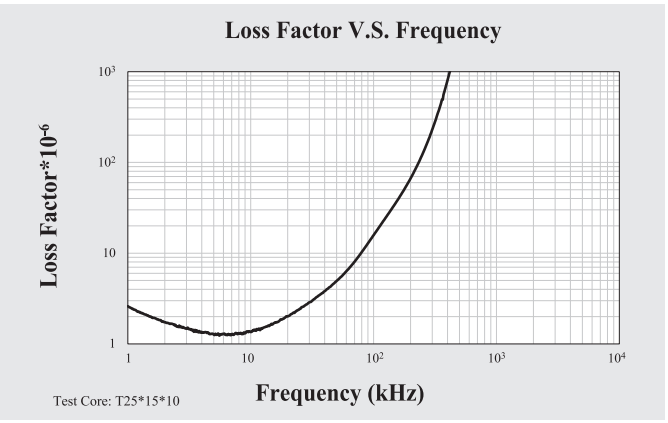


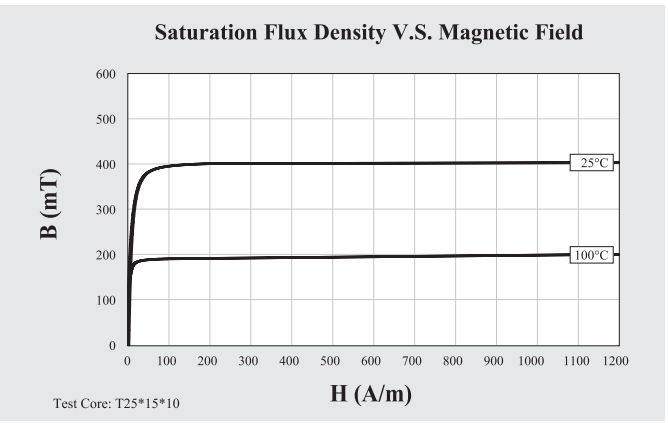


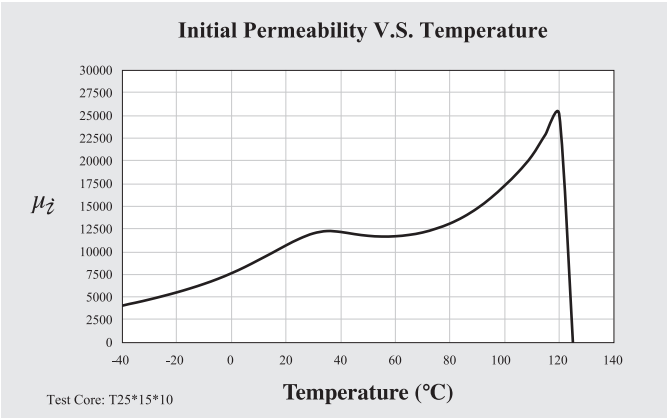


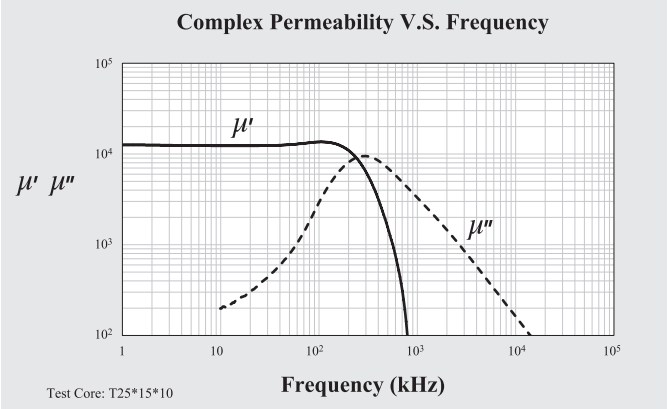
	Symbol	Unit	Measuring Conditions			Conventional High μ For CM Chokes Material
			Freq.	Flux den.	Temp.	A13
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	12000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 8
			100kHz		25°C	< 40
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	400
					100°C	200
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	120
					100°C	65
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1 ~ 3
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 125
Resistivity	ρ	Ωm				0.15
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



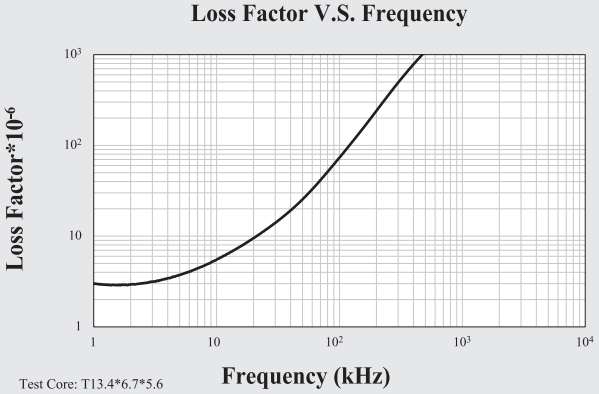


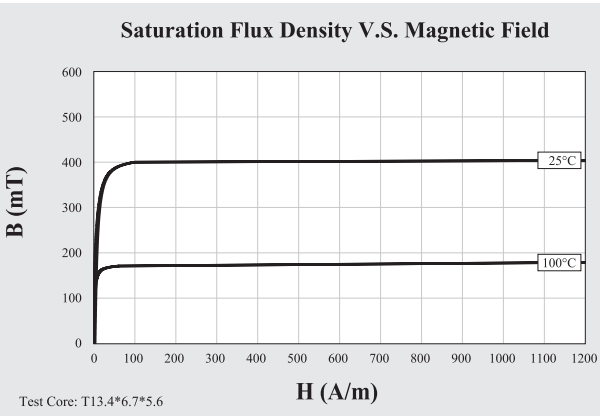


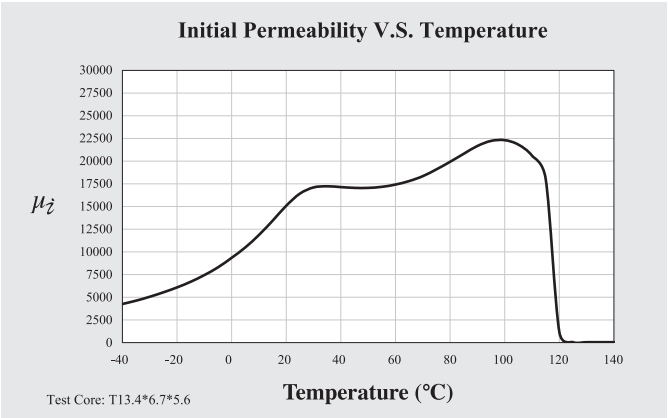


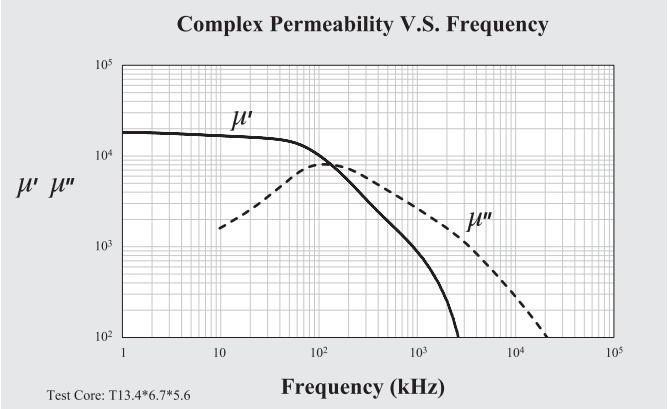
	Symbol	Unit	Measuring Conditions			Conventional High μ For CM Chokes Material
			Freq.	Flux den.	Temp.	A151
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	15000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 110
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	400
					100°C	170
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	220
					100°C	100
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 110
Resistivity	ρ	Ωm				0.10
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



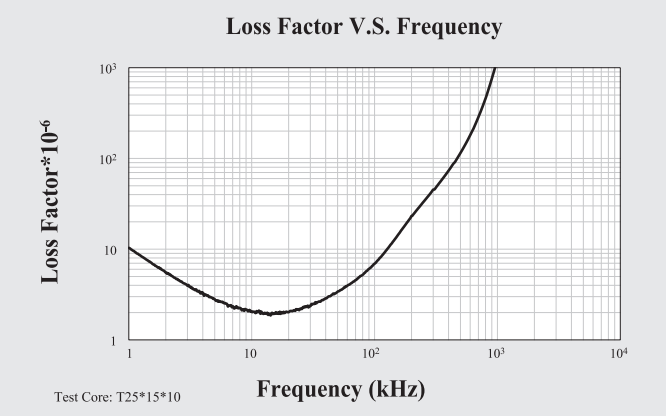


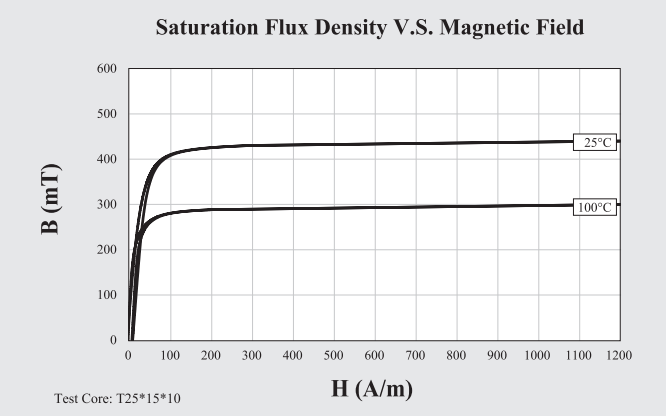


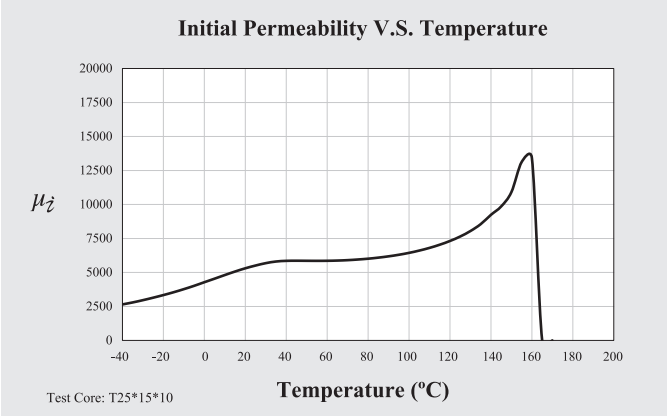


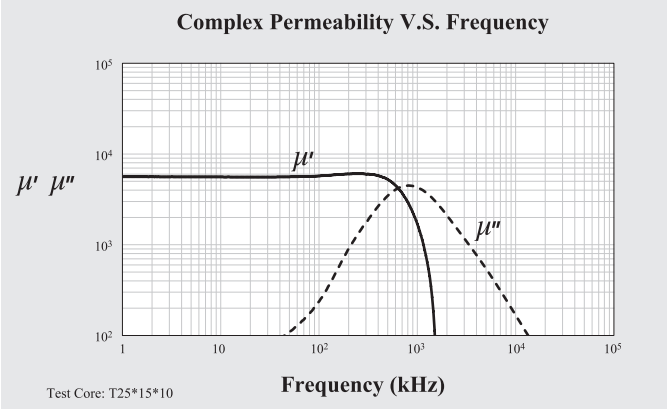
	Symbol	Unit	Measuring Conditions			Wide Band Filter Material
			Freq.	Flux den.	Temp.	A05
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	5000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 4
			100kHz		25°C	< 15
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	440
					100°C	300
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	80
					100°C	90
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 2
					20 ~ 70°C	0 ~ 2
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.8
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 3
Curie Temperature	Tc	°C				≥ 140
Resistivity	ρ	Ωm				0.20
Density	d	g/cm³				4.85

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



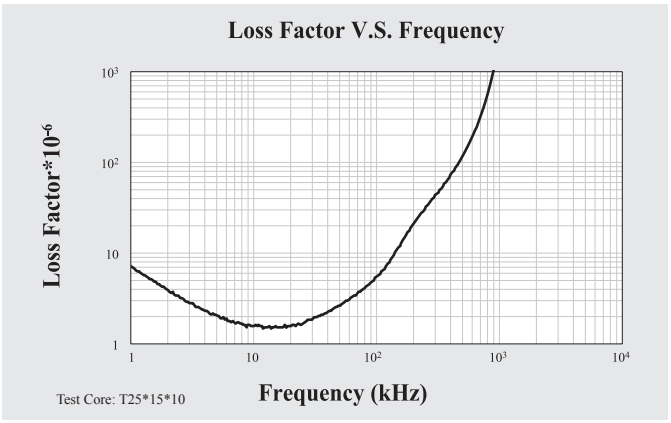


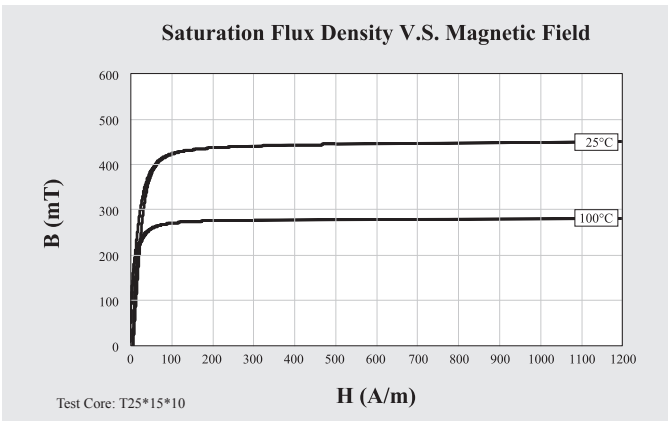


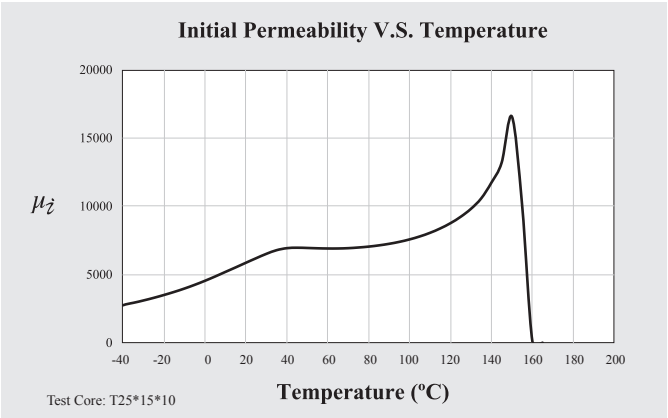


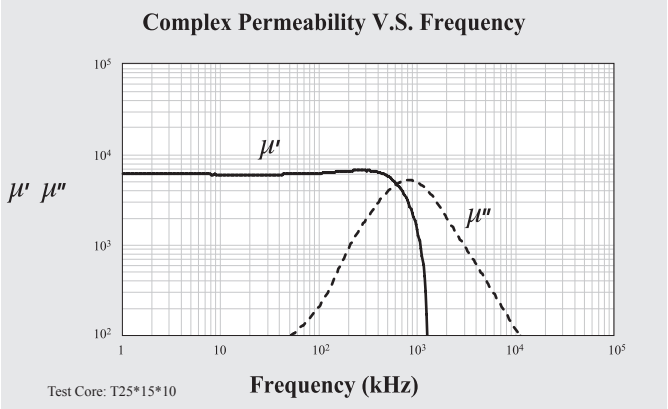
	Symbol	Unit	Measuring Conditions			Wide Band Filter Material
			Freq.	Flux den.	Temp.	A06
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	6000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 4
			100kHz		25°C	< 15
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	420
					100°C	280
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	70
					100°C	80
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 2.5
Permeability					20 ~ 70°C	0 ~ 2.5
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.8
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 3
Curie Temperature	Tc	°C				≥ 140
Resistivity	ρ	Ωm				0.20
Density	d	g/cm³				4.85

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



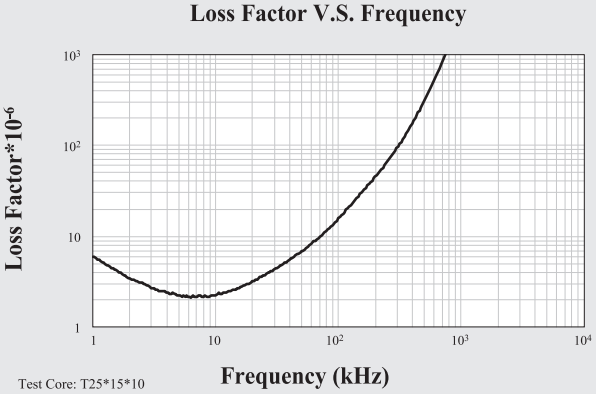


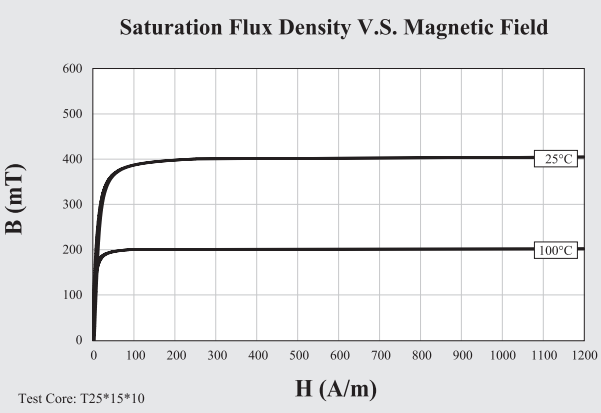


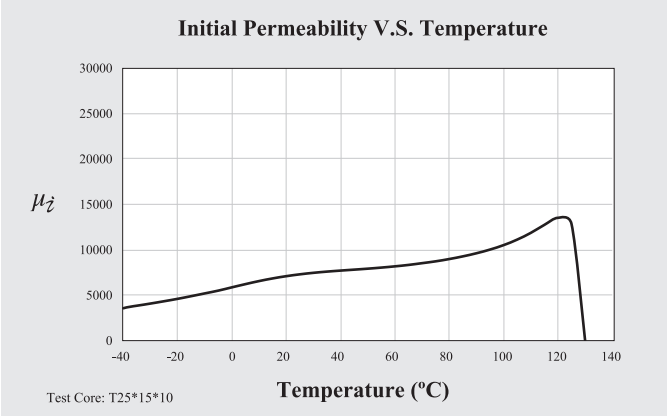


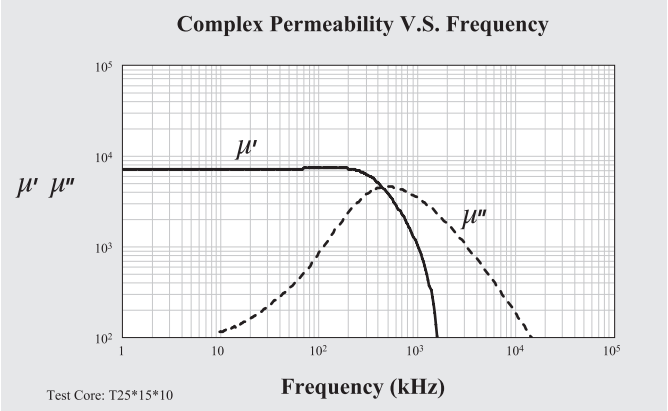
	Symbol	Unit	Measuring Conditions			Wide Band Filter Material
			Freq.	Flux den.	Temp.	A07
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	7000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 8
			100kHz		25°C	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	400
					100°C	200
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	150
					100°C	110
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				0.35
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



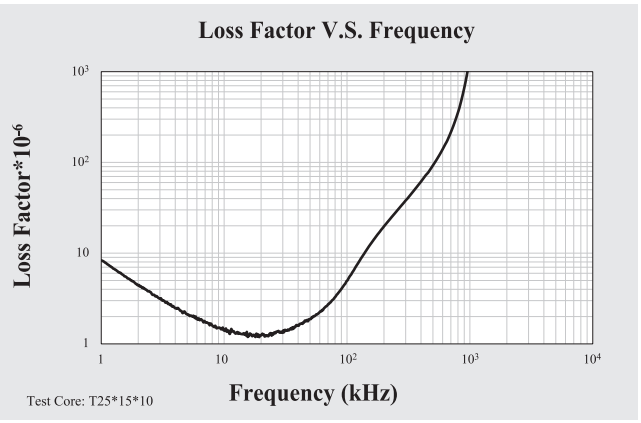


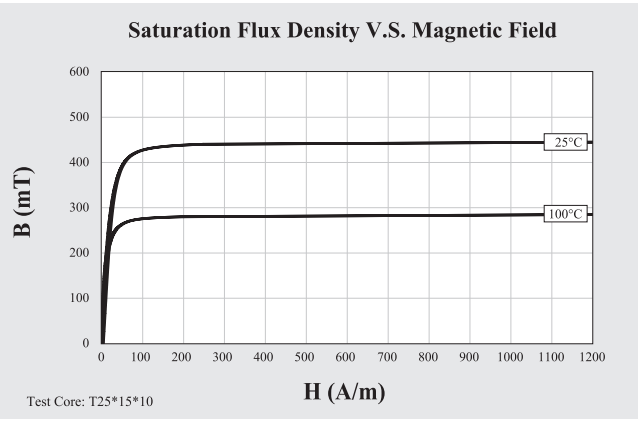


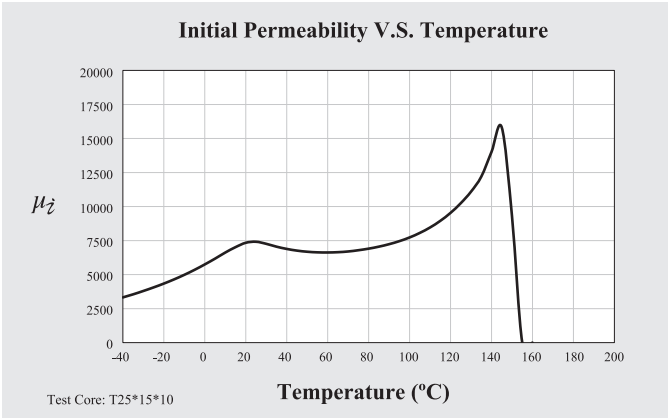


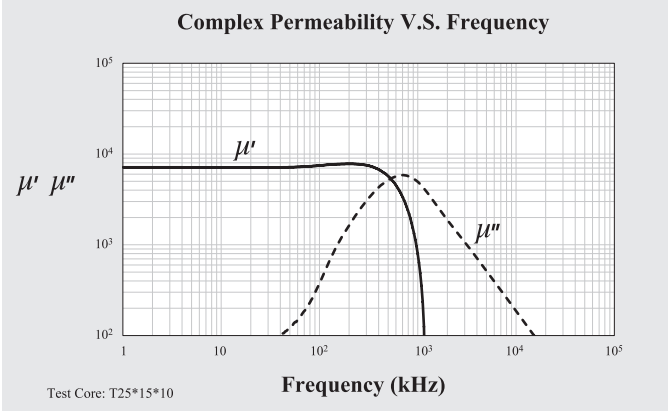
	Symbol	Unit	Measuring Conditions			Wide Band Filter Material
			Freq.	Flux den.	Temp.	A071
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	7000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 8
			100kHz		25°C	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	440
					100°C	280
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	80
					100°C	60
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
Permeability					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 145
Resistivity	ρ	Ωm				0.35
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





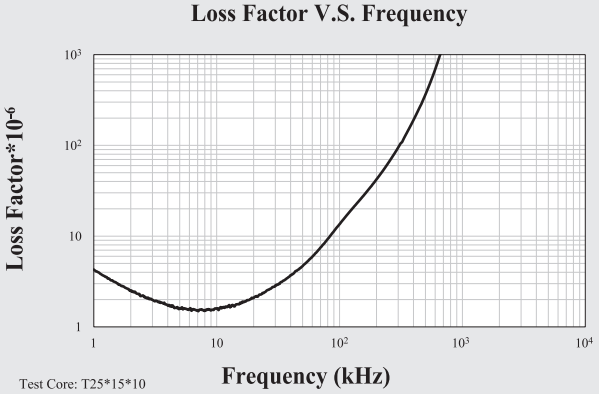


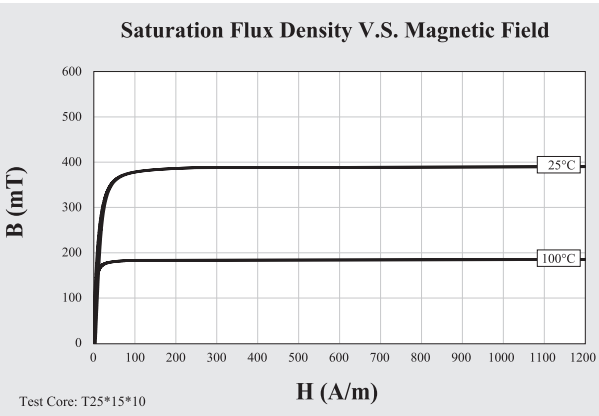


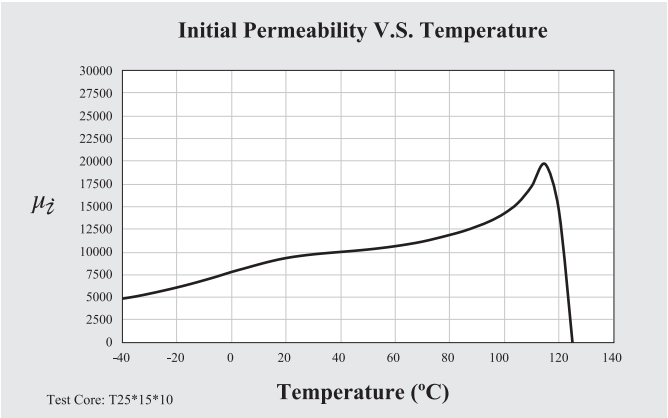
	Symbol	Unit	Measuring Conditions			Wide Band Filter Material
			Freq.	Flux den.	Temp.	A102
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	10000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 60
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	380
					100°C	180
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	95
					100°C	75
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
Permeability					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 120
Resistivity	ρ	Ωm				0.15
Density	d	g/cm³				4.90

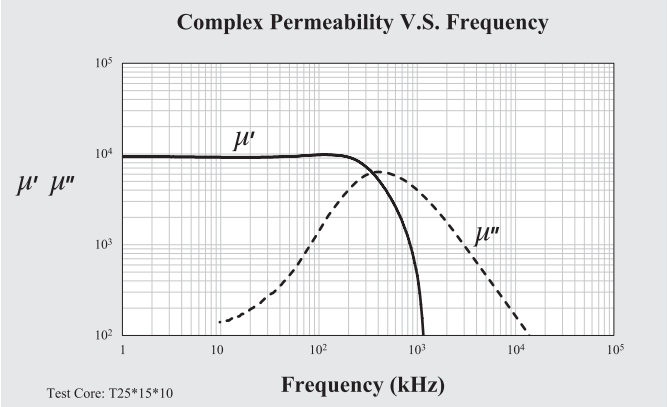
Remark: Best impedance, and permeability v. s. frequency performance for 10,000μ_i materials.

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





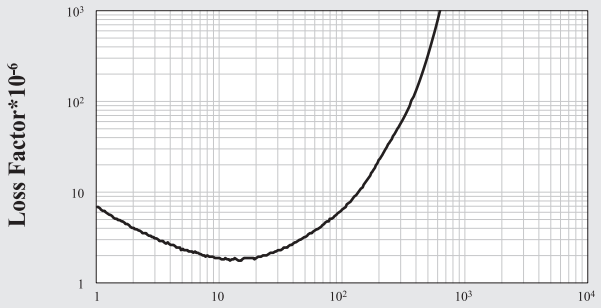




	Symbol	Unit	Measuring Conditions			High μ & Tc For Automotives Material
			Freq.	Flux den.	Temp.	A072
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	7000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 5
			100kHz		25°C	< 15
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	485
					100°C	340
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	95
					100°C	80
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1.5 ~ 3.5
Permeability					20 ~ 70°C	-1.5 ~ 1.5
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 1.0
Disaccommodation Factor	DF	10^{-6}	10kHz	< 0.25 mT	25°C	< 1.0
Curie Temperature	Tc	°C				≥ 180
Resistivity	ρ	Ωm				0.20
Density	d	g/cm³				4.90

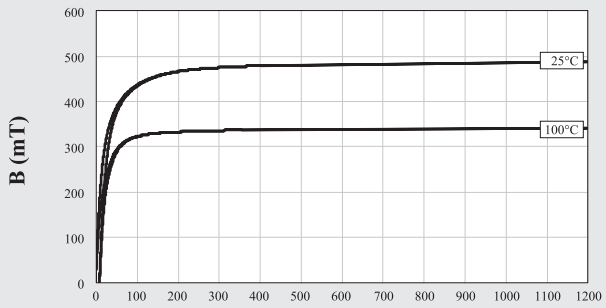
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



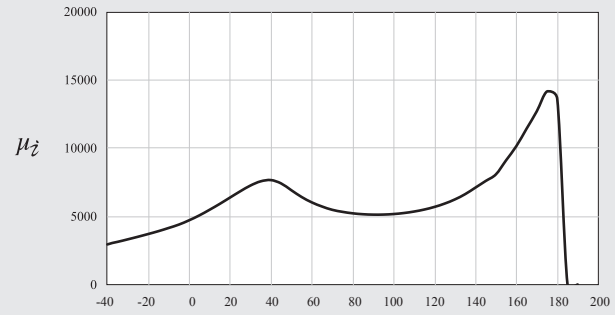
Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field



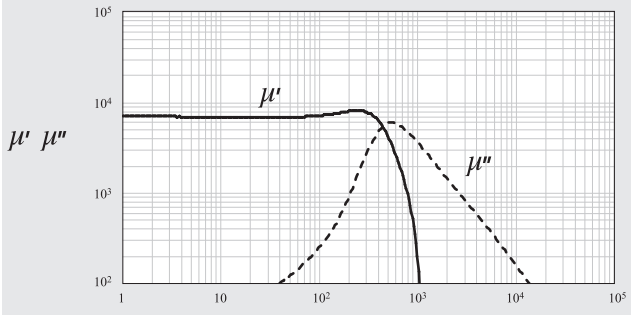
Test Core: T25*15*10

Initial Permeability V.S. Temperature



Test Core: T25*15*10

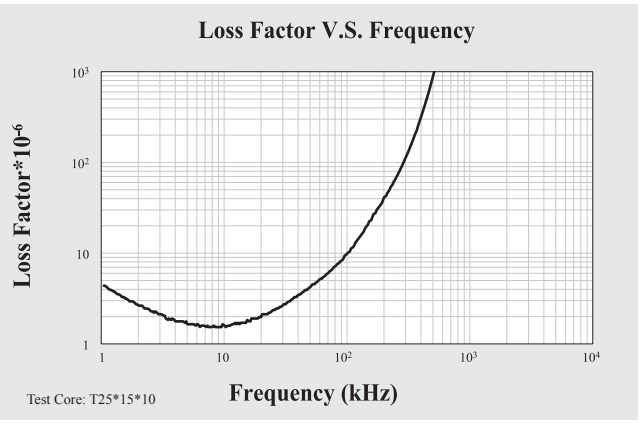
Complex Permeability V.S. Frequency

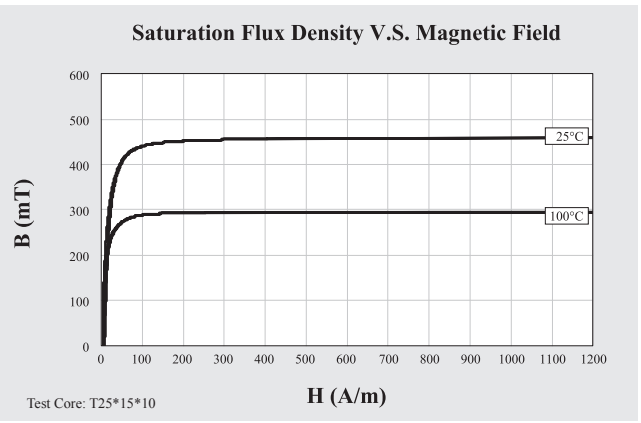


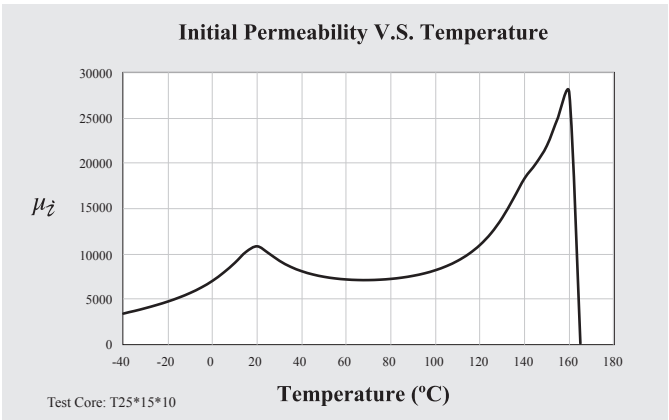
Test Core: T25*15*10

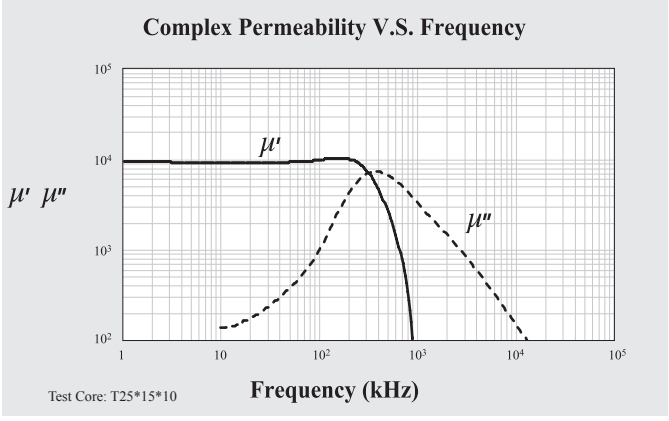
	Symbol	Unit	Measuring Conditions			High μ & Tc For Automotives Material
			Freq.	Flux den.	Temp.	A104
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	10000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	460
					100°C	295
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	105
					100°C	105
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1 ~ 3
Permeability					20 ~ 70°C	-1.5 ~ 0
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 155
Resistivity	ρ	Ωm				0.15
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



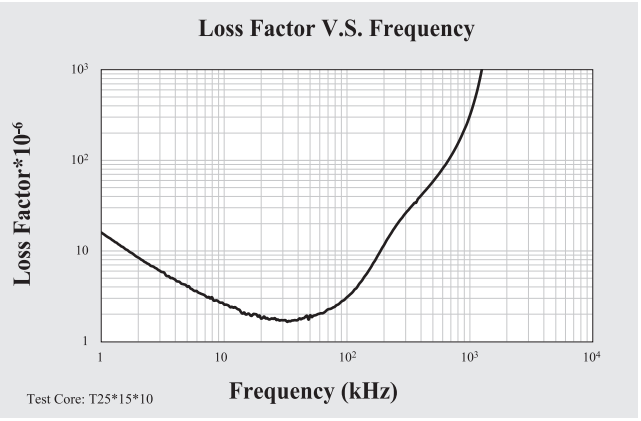


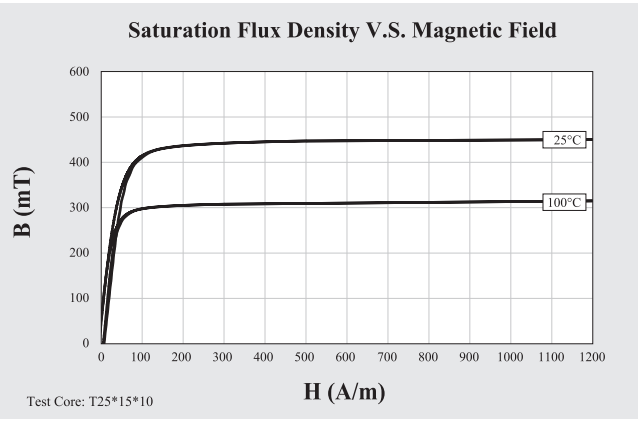


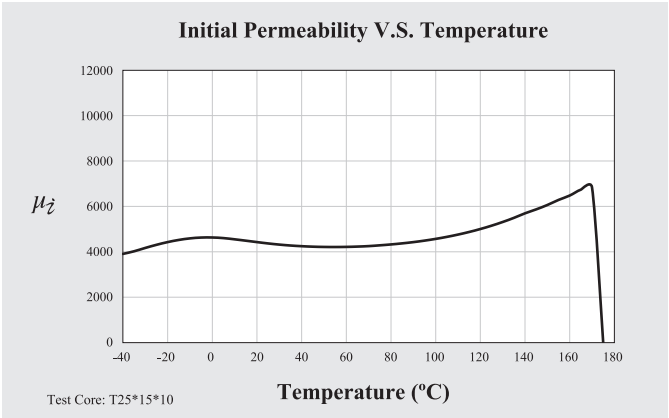


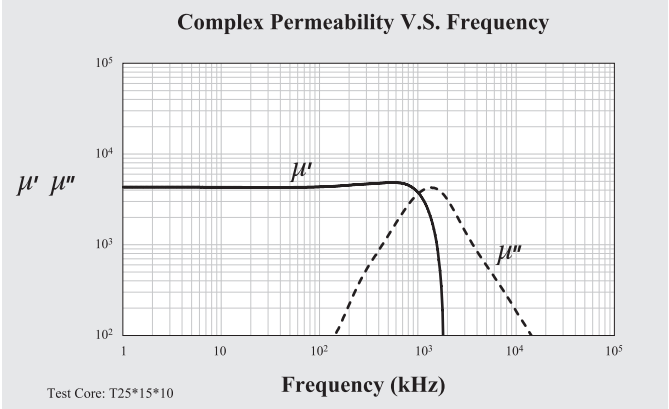
	Symbol	Unit	Measuring Conditions			High μ Wide Temperature Material
			Freq.	Flux den.	Temp.	A044
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	4000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 8
			100kHz		25°C	< 40
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	450
					100°C	315
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	55
					100°C	45
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
Permeability					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 170
Resistivity	ρ	Ωm				1.00
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



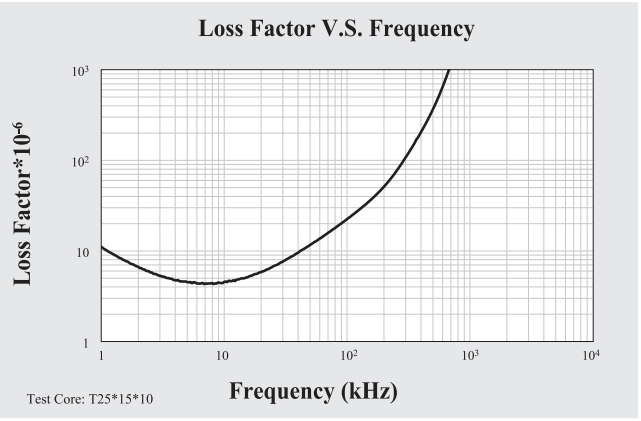


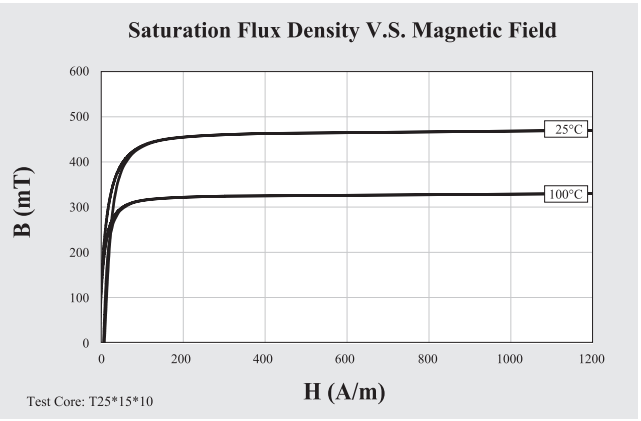


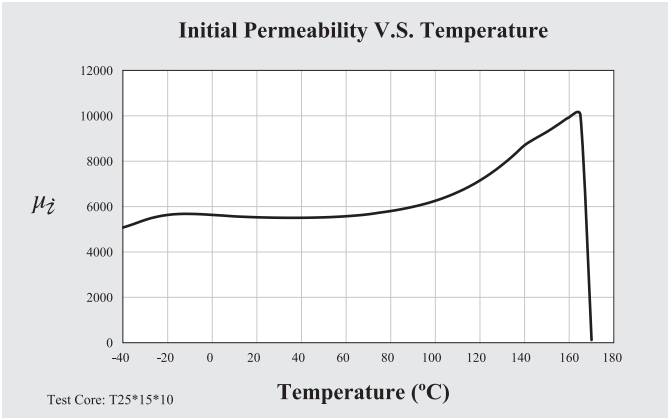


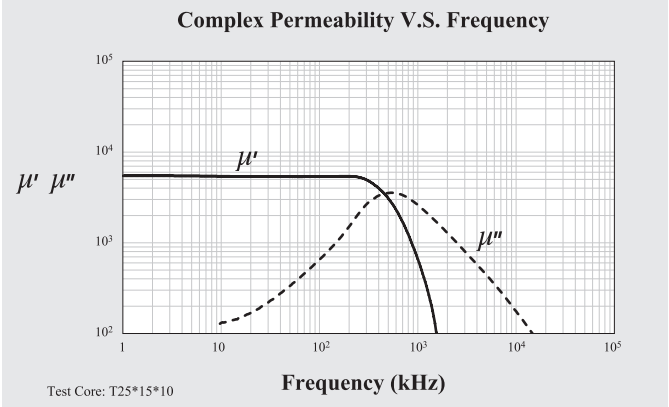
	Symbol	Unit	Measuring Conditions			High μ Wide Temperature Material
			Freq.	Flux den.	Temp.	A064
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	6000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 8
			100kHz		25°C	< 40
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	470
					100°C	330
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	135
					100°C	115
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
Permeability					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 170
Resistivity	ρ	Ωm				1.00
Density	d	g/cm³				4.90

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



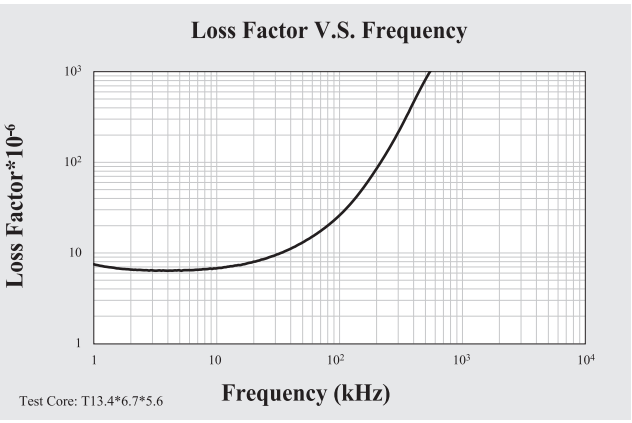


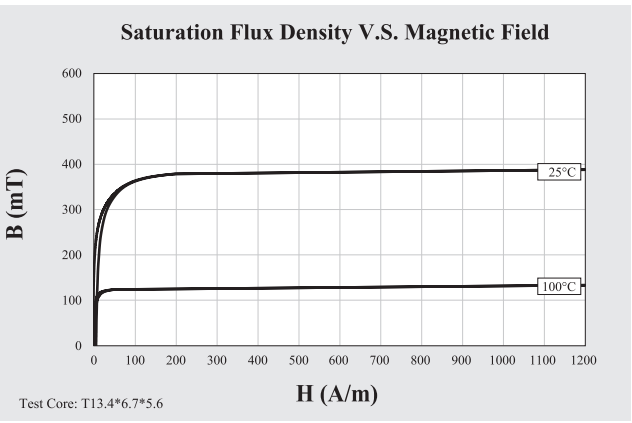


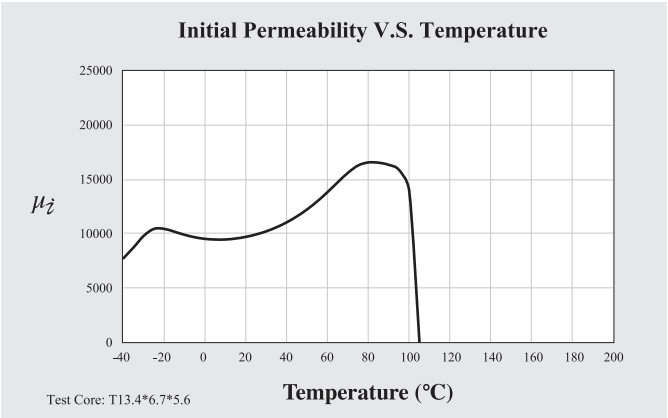


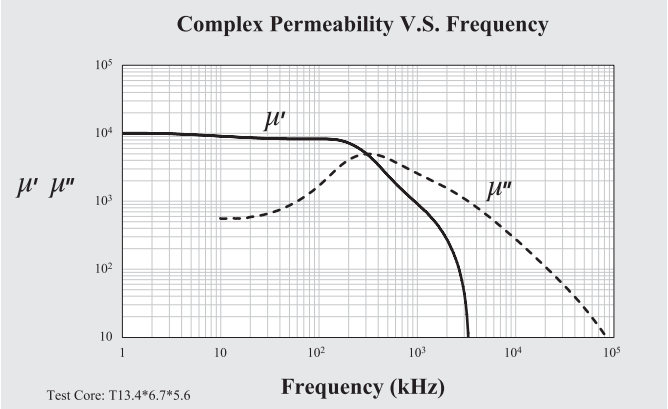
	Symbol	Unit	Measuring Conditions			High μ Wide Temperature Material
			Freq.	Flux den.	Temp.	N10
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	10000 ± 30%
					-20°C	> 9000
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 90
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	380
					100°C	130
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	160
					100°C	110
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 0
Permeability					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 100
Resistivity	ρ	Ωm				0.12
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



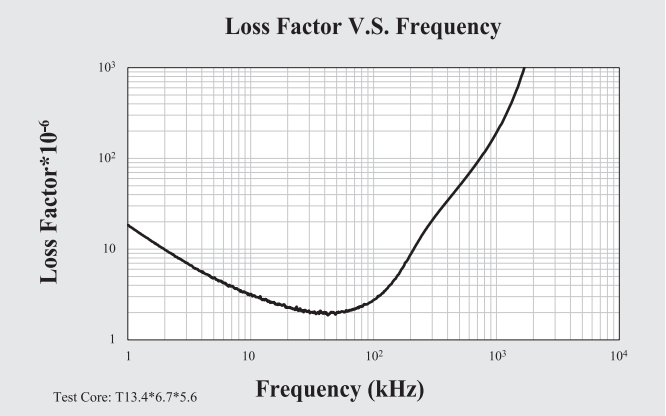


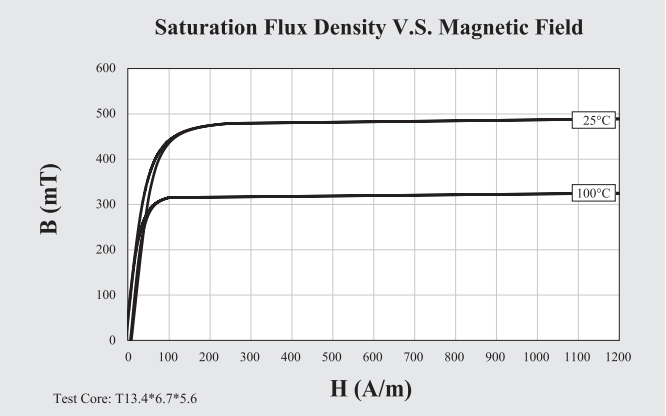


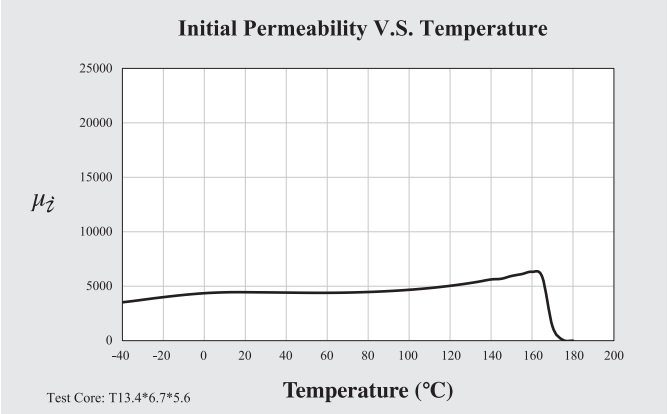


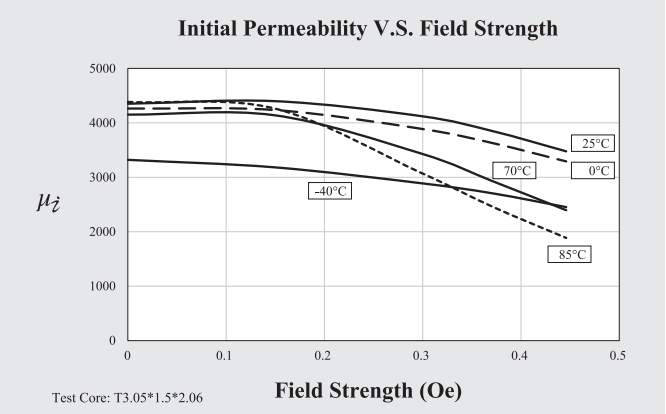
	Symbol	Unit	Measuring Conditions			For Wide Temperature LAN Material
			Freq.	Flux den.	Temp.	A043
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	4500 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 10
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	460
					100°C	300
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	65
					100°C	60
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1 ~ 2
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 160
Resistivity	ρ	Ωm				0.20
Density	d	g/cm³				4.85

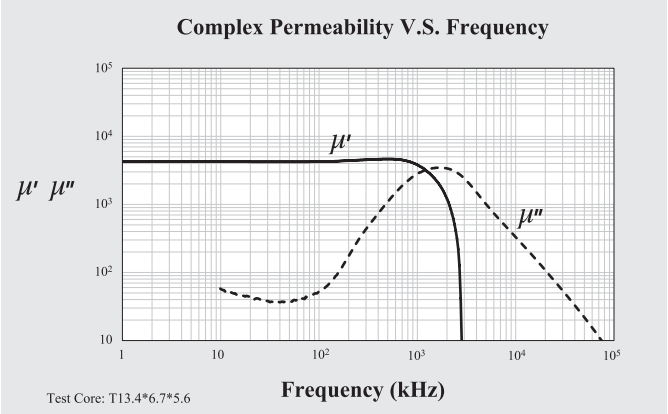
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.







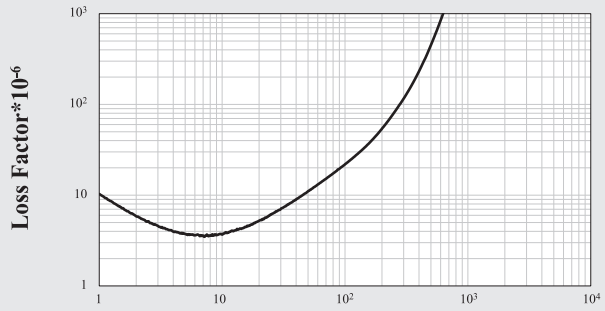




	Symbol	Unit	Measuring Conditions			For Wide Temperature LAN Material
			Freq.	Flux den.	Temp.	A062
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	6000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	460
					100°C	320
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	100
					100°C	80
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	1 ~ 3
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 160
Resistivity	ρ	Ωm				0.20
Density	d	g/cm³				4.85

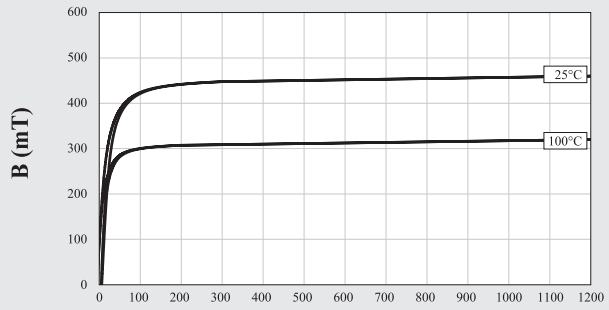
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



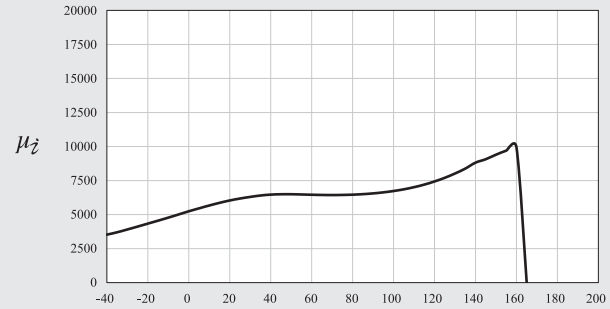
Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field



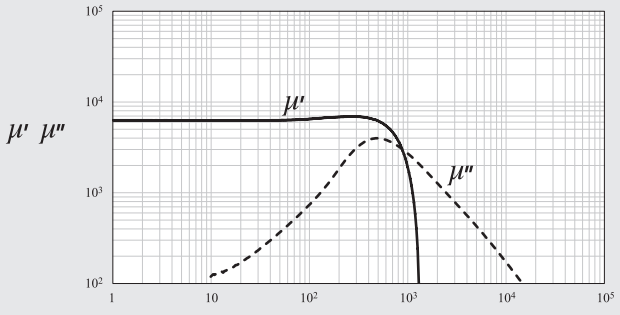
Test Core: T25*15*10

Initial Permeability V.S. Temperature



Test Core: T25*15*10

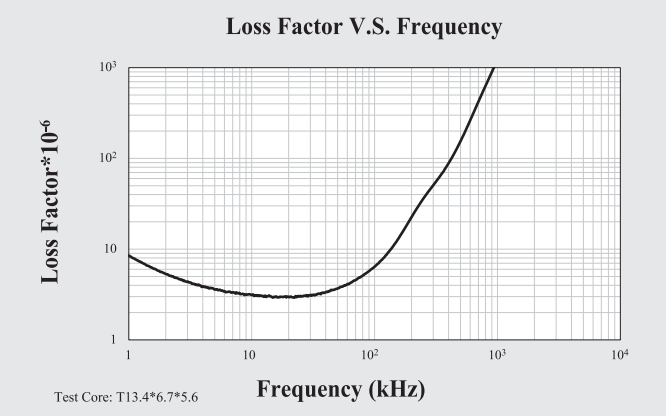
Complex Permeability V.S. Frequency

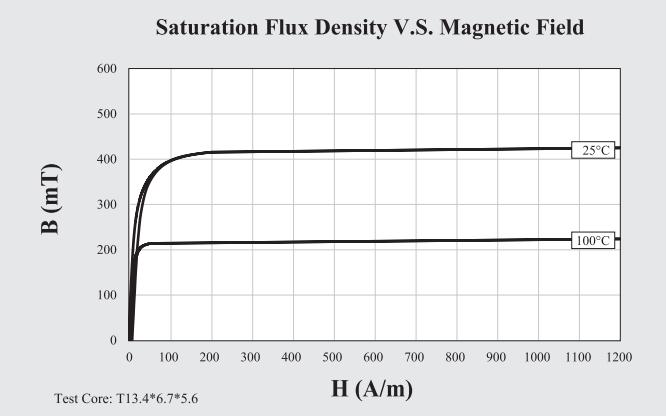


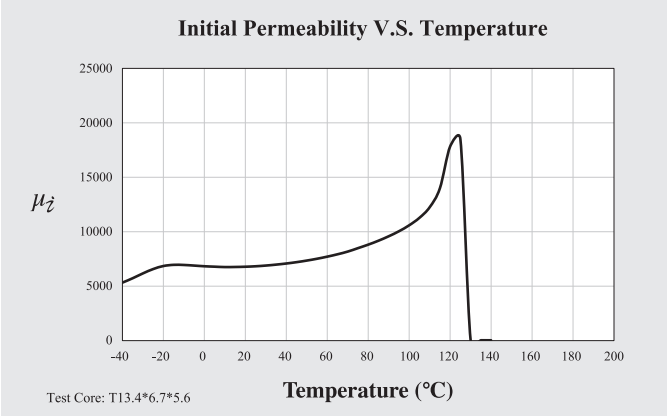
Test Core: T25*15*10

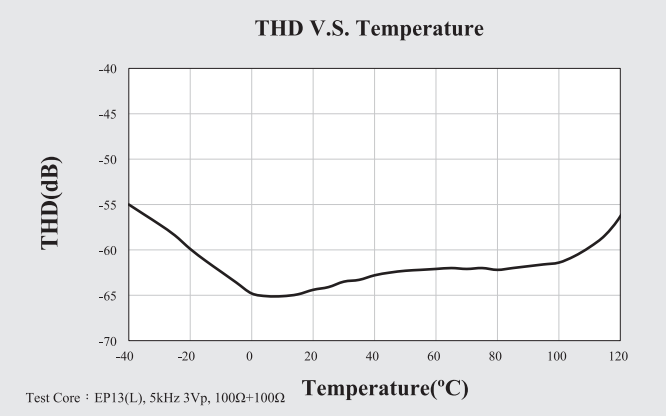
	Symbol	Unit	Measuring Conditions			For Wide Temperature LAN Material
			Freq.	Flux den.	Temp.	N07
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	7000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 5
			100kHz		25°C	< 30
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	400
					100°C	220
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	70
					100°C	60
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				0.15
Density	d	g/cm³				4.90

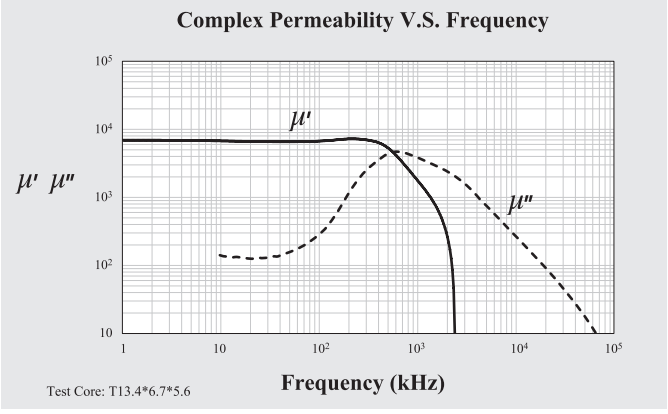
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.







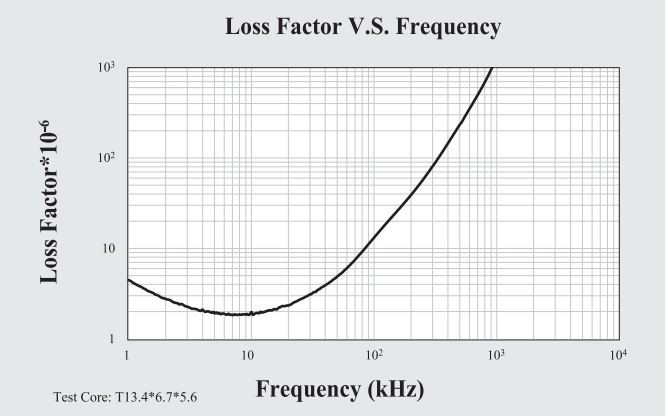


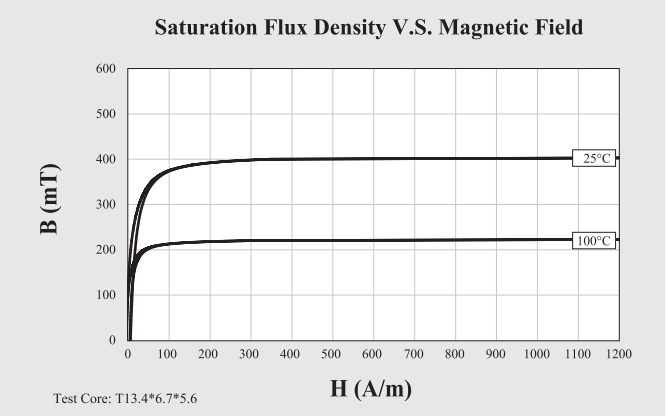


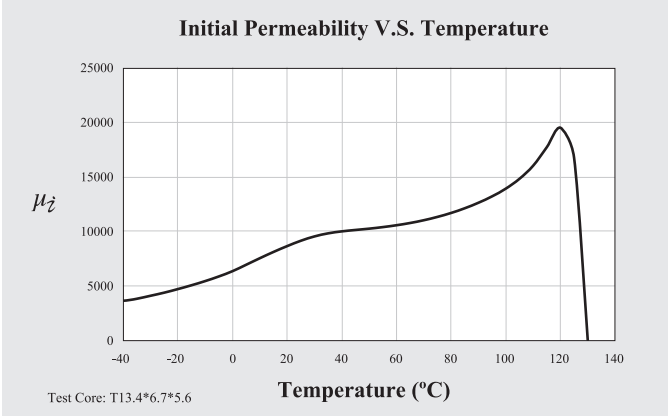
	Symbol	Unit	Measuring Conditions			Low THD Material
			Freq.	Flux den.	Temp.	A101
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	10000 ± 30%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 10
			100kHz		25°C	< 90
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	400
					100°C	220
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	175
					100°C	125
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
Permeability					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.2
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				0.15
Density	d	g/cm³				4.90

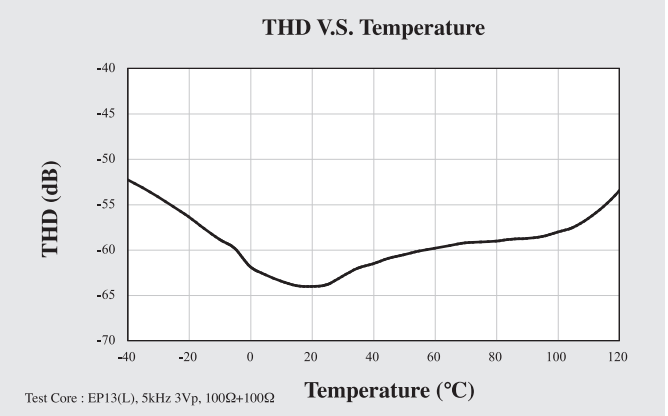
Remark: Best THD performance for 10,000μ_i materials.

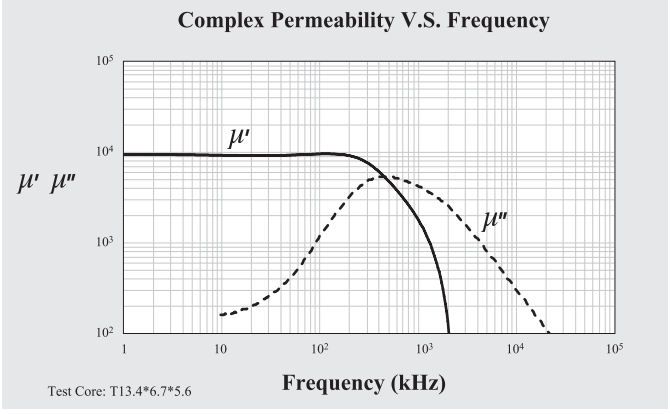
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





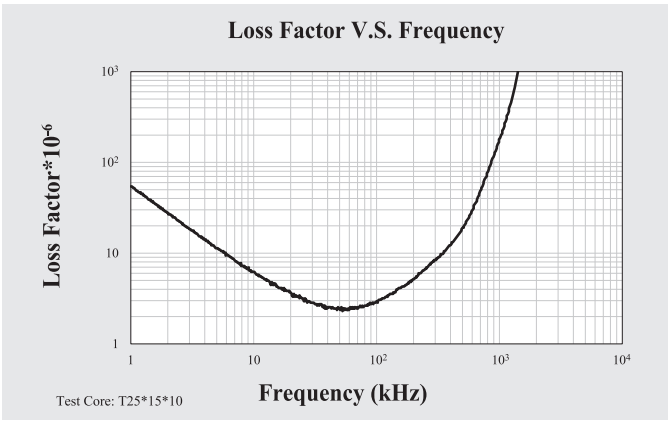


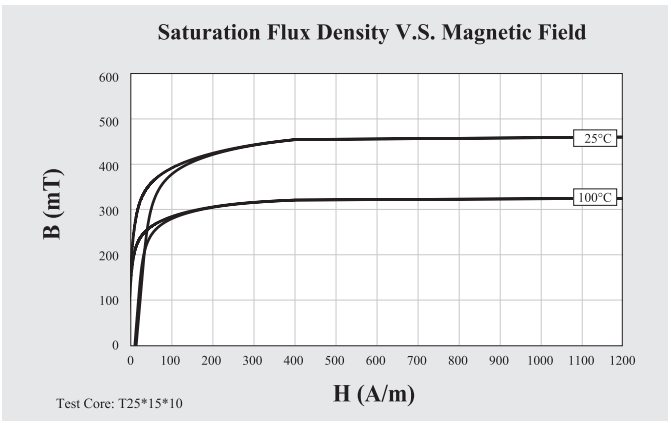


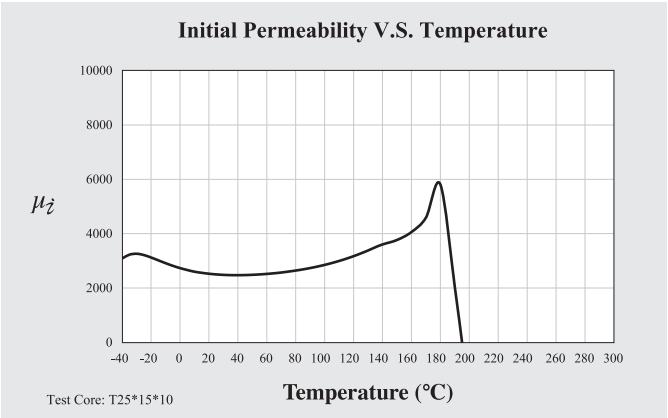


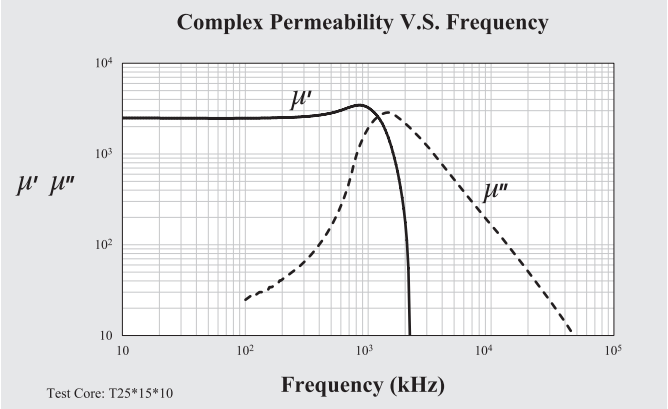
	Symbol	Unit	Measuring Conditions			Low η_B Material
			Freq.	Flux den.	Temp.	N4
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2500 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 7
			100kHz		25°C	< 3
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	450
					100°C	320
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	180
					100°C	150
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	14
					100°C	9
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	5 ~ 25°C	< 1.3
Permeability					25 ~ 55°C	< 1.3
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.6
Curie Temperature	Tc	°C				≥ 170
Resistivity	ρ	Ωm				7.50
Density	d	g/cm³				4.70

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





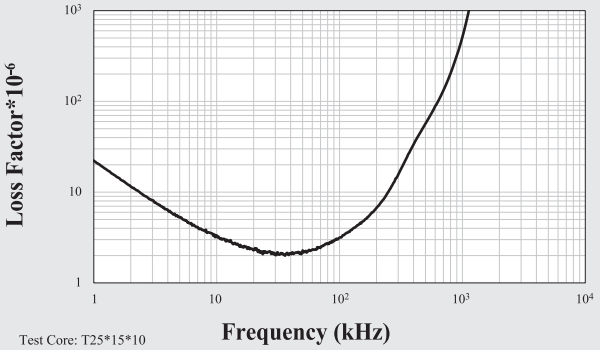




	Symbol	Unit	Measuring Conditions			Low η_B Material
			Freq.	Flux den.	Temp.	N42
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	3800 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 3.5
			100kHz		25°C	< 3.5
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	530
					100°C	425
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	100
					100°C	125
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	9
					100°C	13
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	5 ~ 25°C	7 ~ 9
					25 ~ 55°C	< -4 ~ -2
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.3
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				5.00
Density	d	g/cm³				4.90

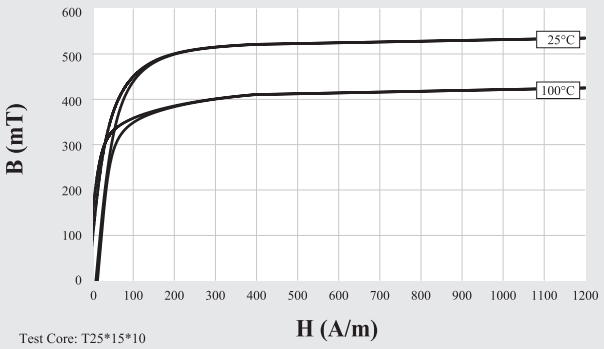
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



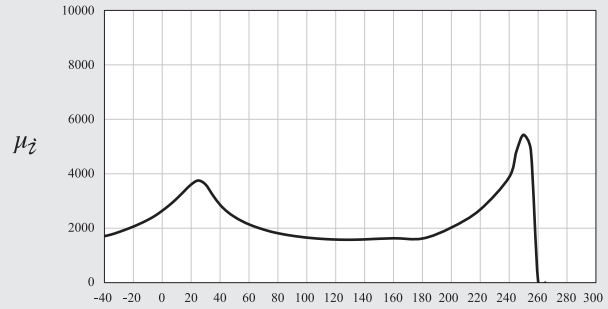
Test Core: T25*15*10

Saturation Flux Density V.S. Magnetic Field



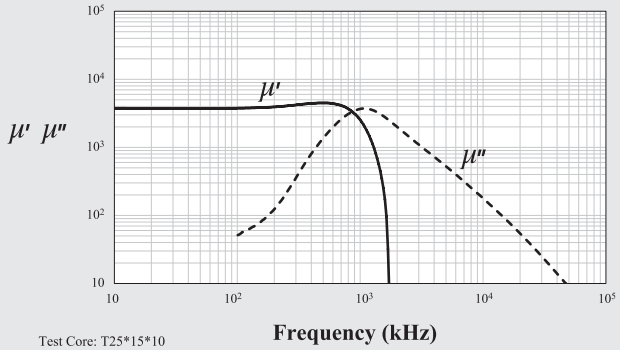
Test Core: T25*15*10

Initial Permeability V.S. Temperature



Test Core: T25*15*10

Complex Permeability V.S. Frequency

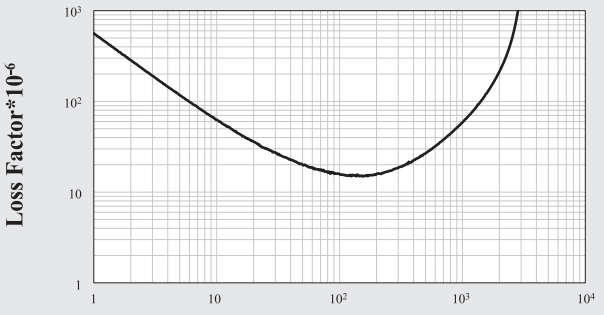


Test Core: T25*15*10

	Symbol	Unit	Measuring Conditions			Low η_B Material
			Freq.	Flux den.	Temp.	N43
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	750 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 60
			100kHz		25°C	< 15
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	490
					100°C	400
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	400
					100°C	325
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	25
					100°C	21
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	5 ~ 25°C	< 2.2
Permeability					25 ~ 55°C	< 1.8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 2.5 (100kHz)
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				2.00
Density	d	g/cm³				4.70

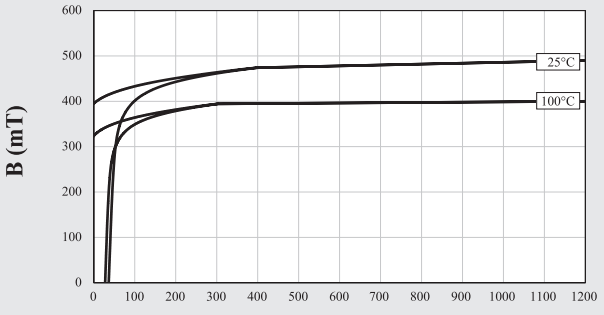
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



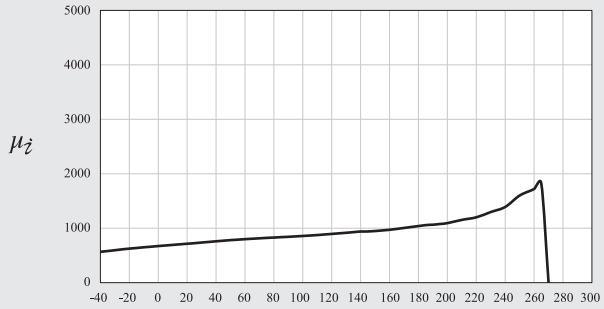
Test Core: T13.4*6.7*5.6

Saturation Flux Density V.S. Magnetic Field



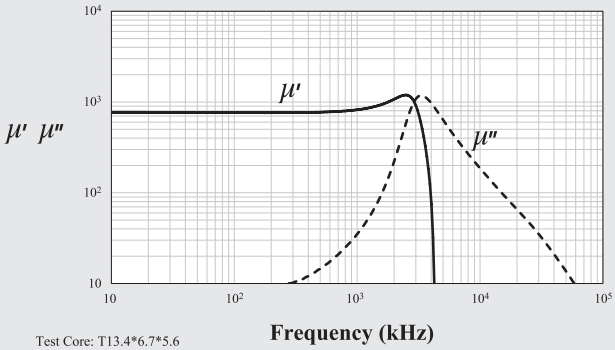
Test Core: T13.4*6.7*5.6

Initial Permeability V.S. Temperature



Test Core: T13.4*6.7*5.6

Complex Permeability V.S. Frequency

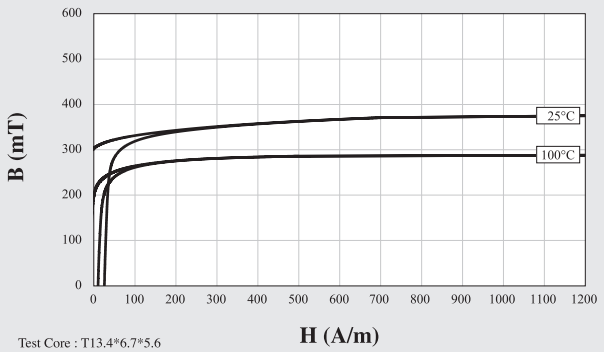


Test Core: T13.4*6.7*5.6

	Symbol	Unit	Measuring Conditions			EMI Filter Material
			Freq.	Flux den.	Temp.	N5
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2000 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	10kHz	< 0.25mT	25°C	< 1.24
			100kHz		25°C	< 23
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	370
					100°C	285
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	240
					100°C	140
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	-
					100°C	-
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	5 ~ 25°C	< 1.1
					25 ~ 55°C	< 5.8
Hysteresis Material Constant	η_B	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	< 0.36
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				140
Density	d	g/cm³				4.95

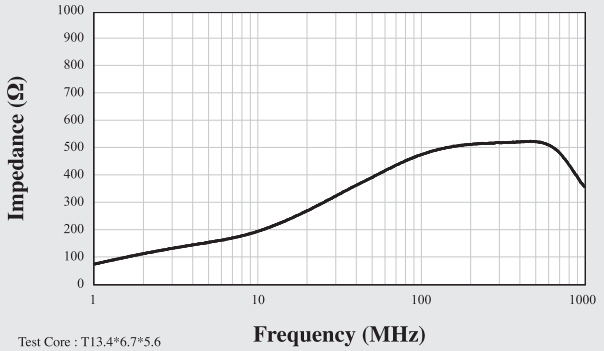
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Saturation Flux Density V.S. Magnetic Field



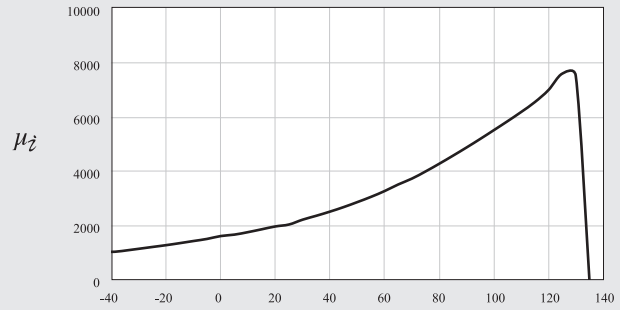
Test Core : T13.4*6.7*5.6

Impedance V.S. Frequency



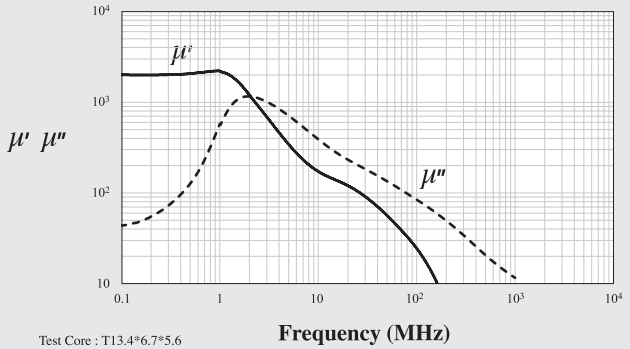
Test Core : T13.4*6.7*5.6

Initial Permeability V.S. Temperature



Test Core : T13.4*6.7*5.6

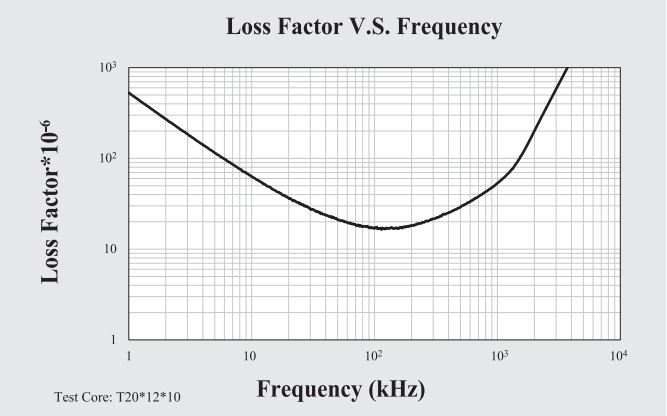
Complex Permeability V.S. Frequency

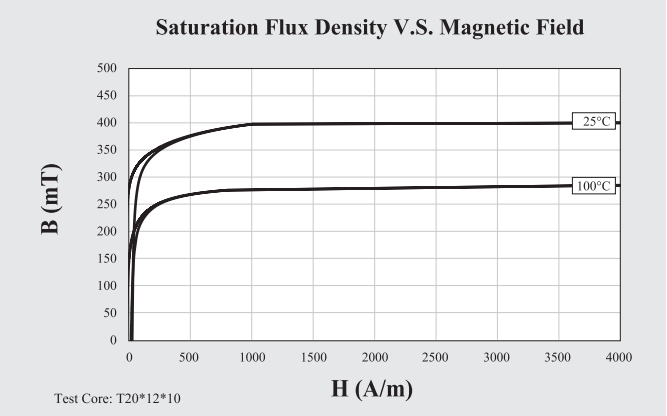


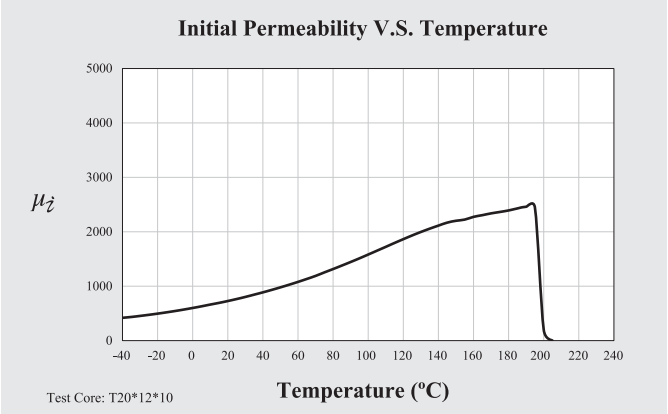
Test Core : T13.4*6.7*5.6

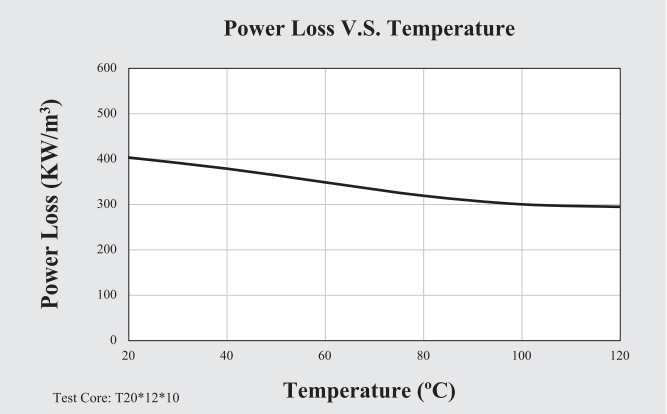
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K081
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	800 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	400
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	280
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	21
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	17
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	8
Curie Temperature	Tc	°C				≥ 190
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

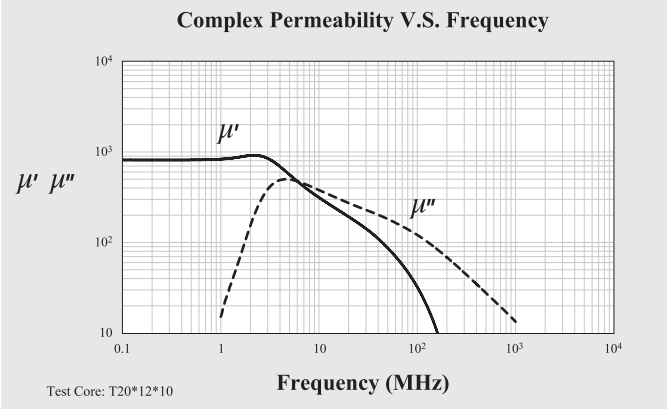
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





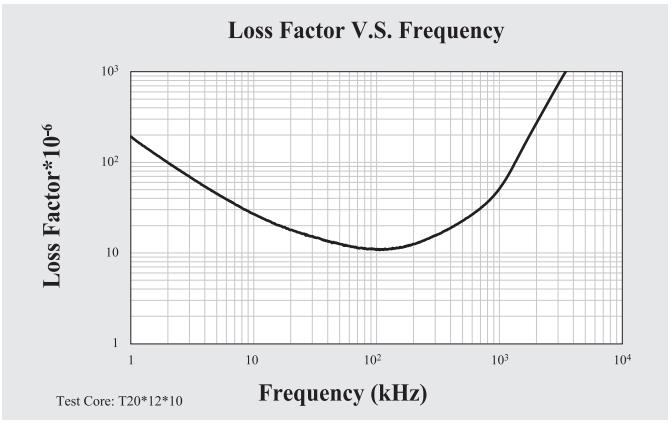


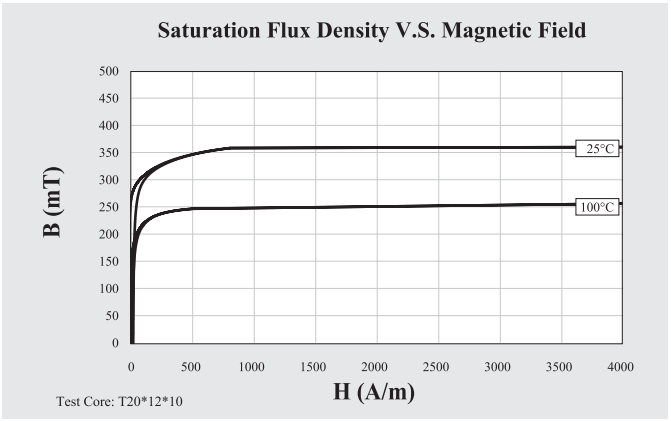


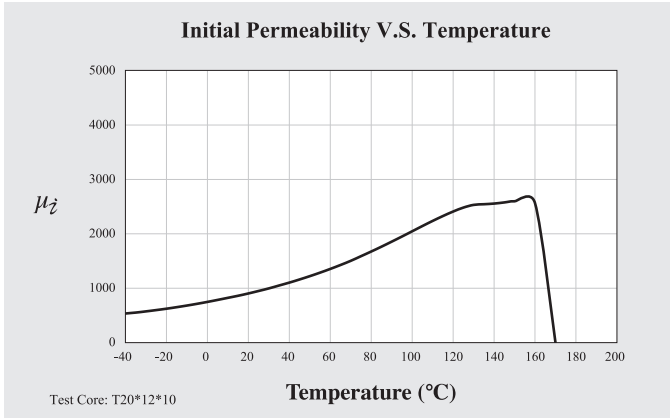


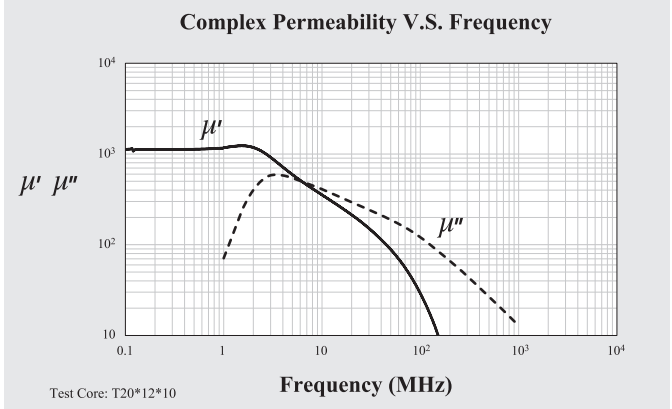
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K10
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	355
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	250
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	19
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	11
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	8
Curie Temperature	Tc	°C				≥ 160
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



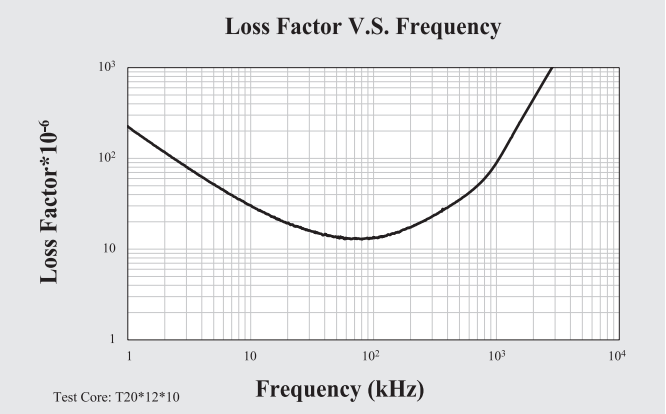


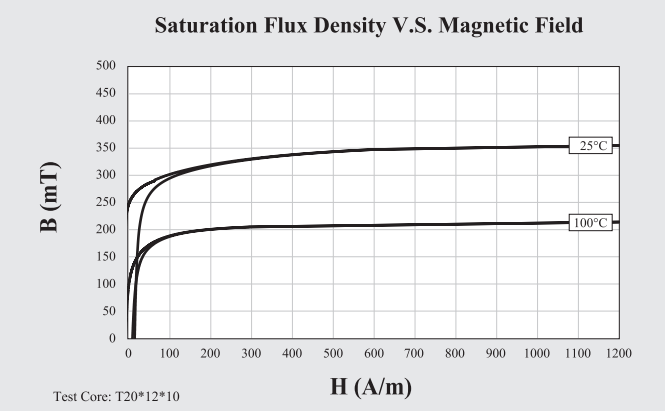


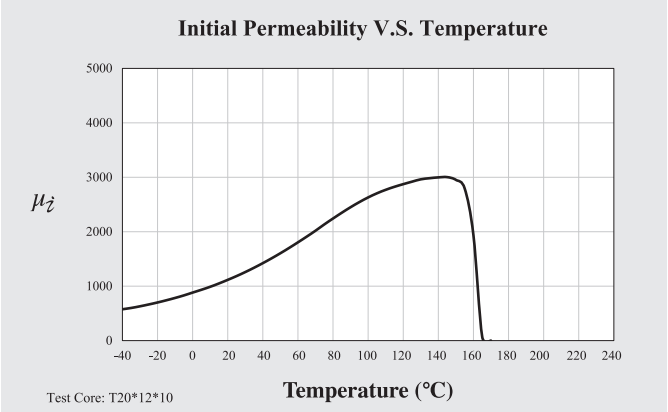


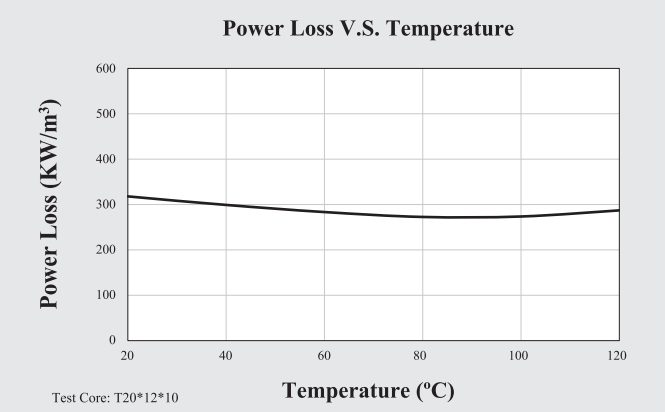
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K12
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1200 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	355
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	250
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	12
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	13
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	11
Curie Temperature	Tc	°C				≥ 160
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

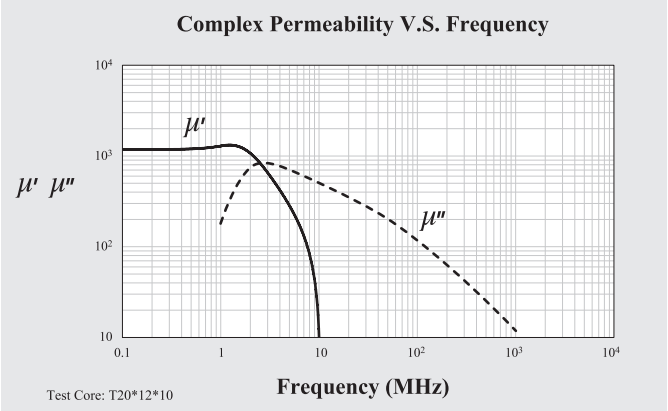
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.







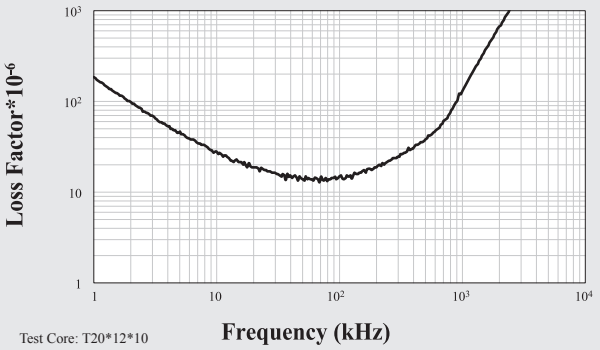




	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K13
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1300 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	340
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	190
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	16
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	15
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	8
Curie Temperature	Tc	°C				≥ 150
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

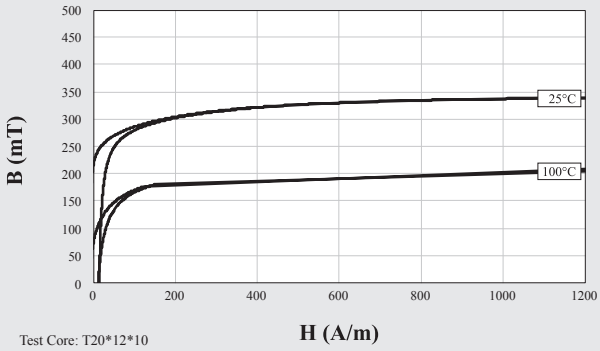
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



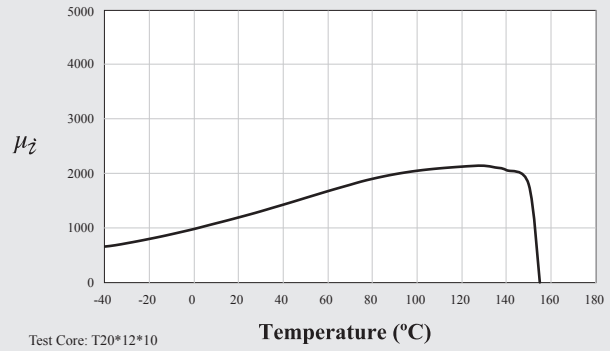
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



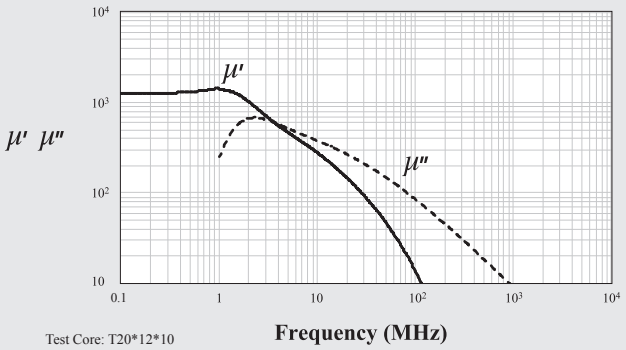
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

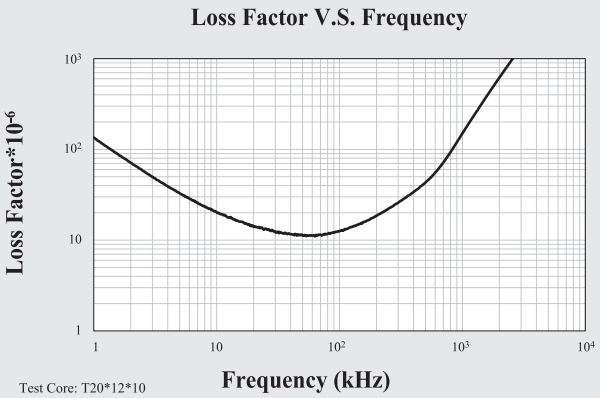
Complex Permeability V.S. Frequency

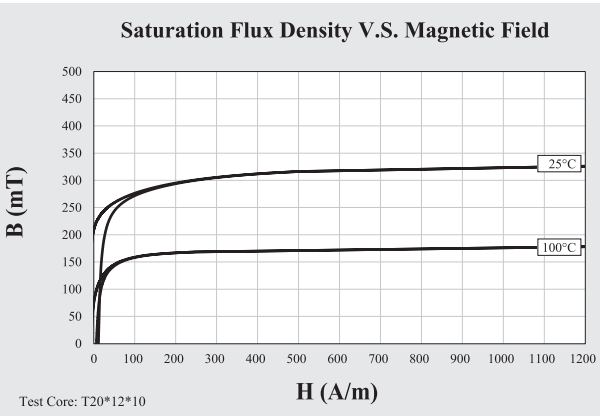


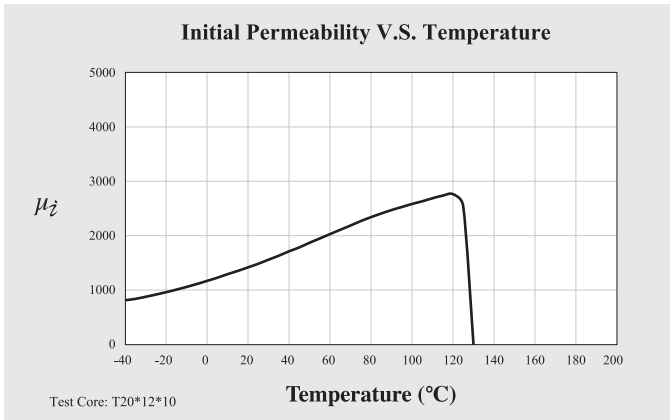
Test Core: T20*12*10

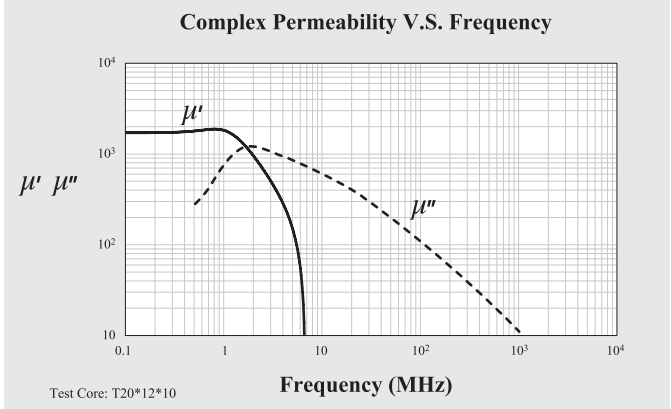
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K15
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	330
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	200
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	11
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	11
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	6
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





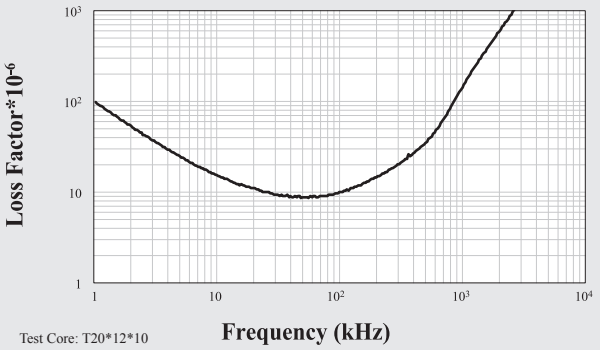




	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K151
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	290
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	150
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	20
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	10
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	4
Curie Temperature	Tc	°C				≥ 110
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

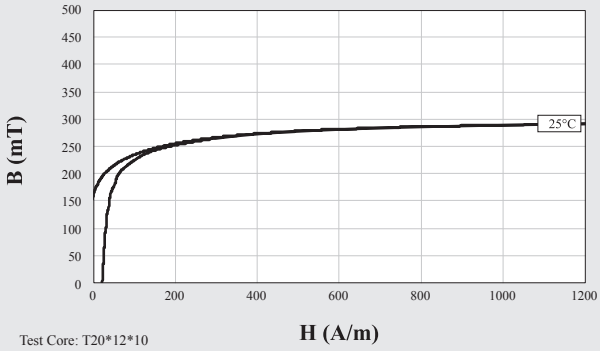
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



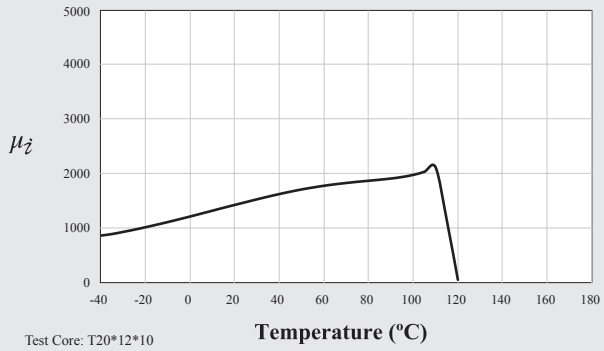
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



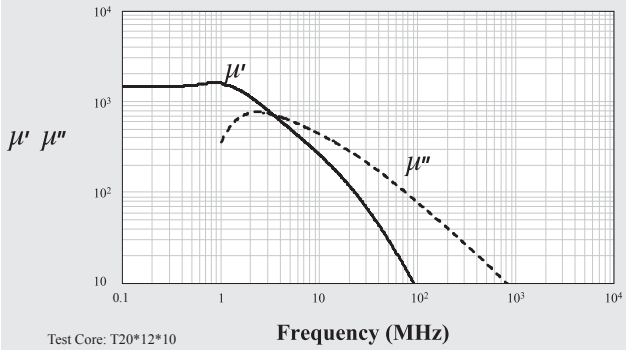
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

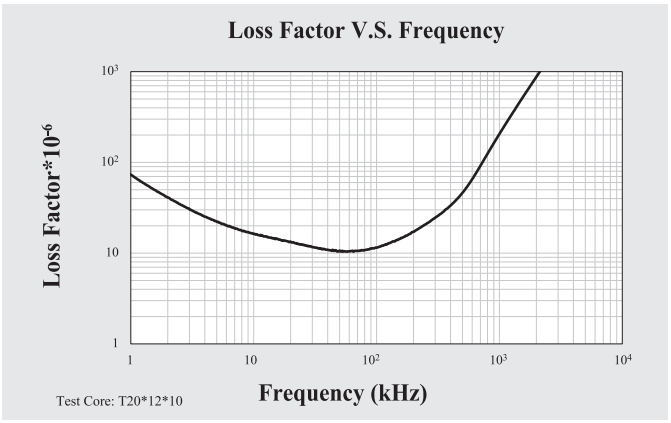
Complex Permeability V.S. Frequency

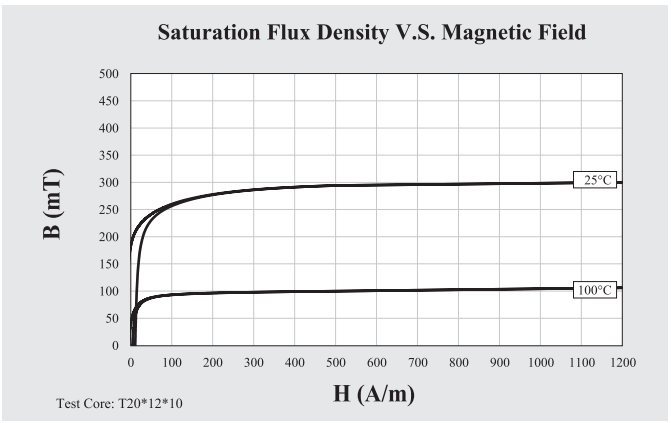


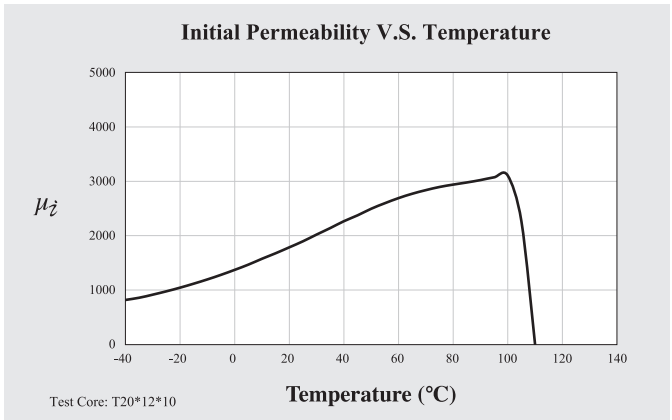
Test Core: T20*12*10

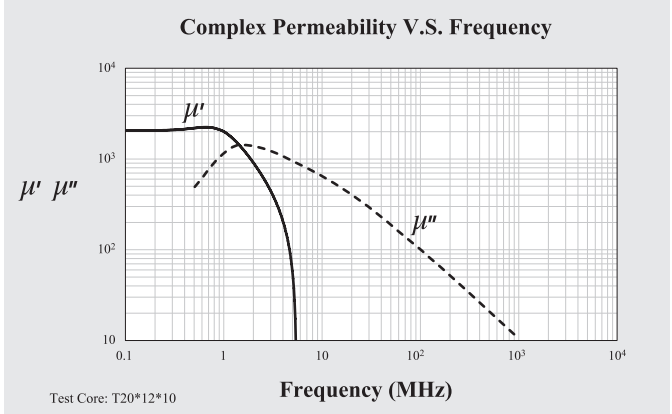
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K20
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	300
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	150
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	11
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	11
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	3
Curie Temperature	Tc	°C				≥ 100
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





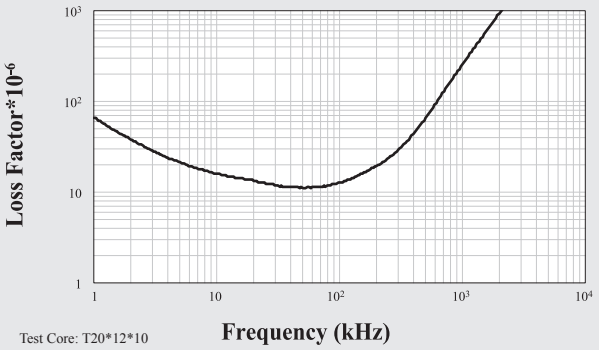




	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	K25
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	275
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	170
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	14
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	15
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	3
Curie Temperature	Tc	°C				≥ 90
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

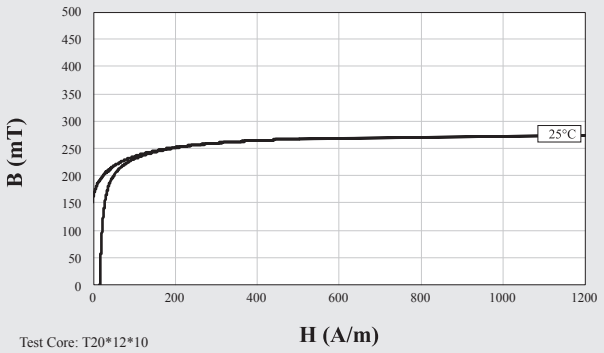
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



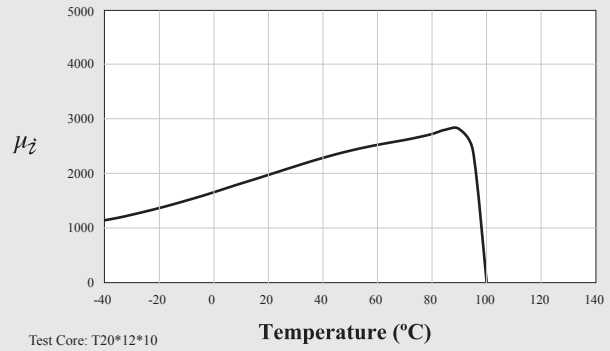
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



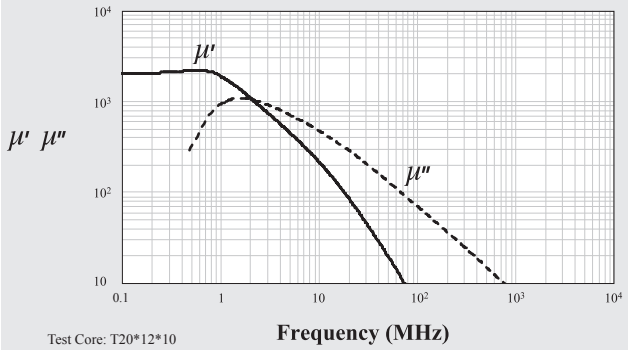
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

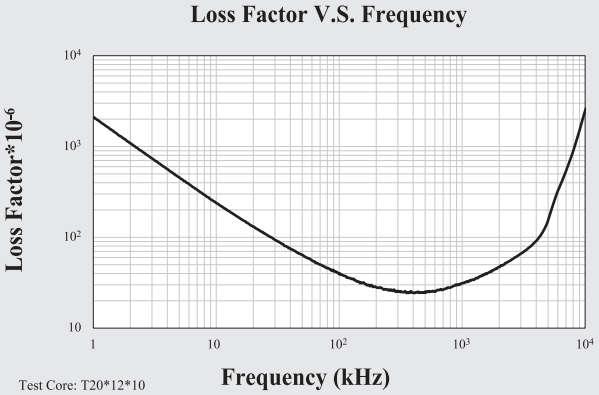
Complex Permeability V.S. Frequency

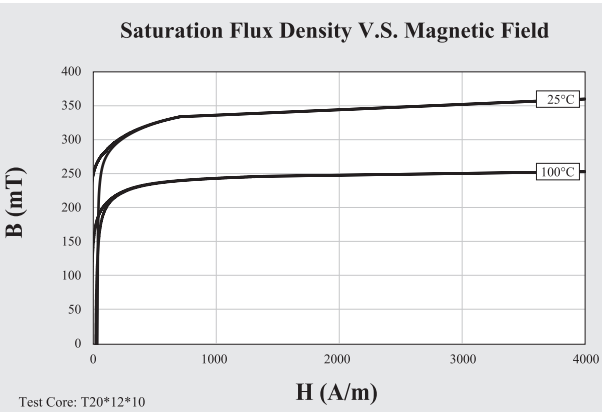


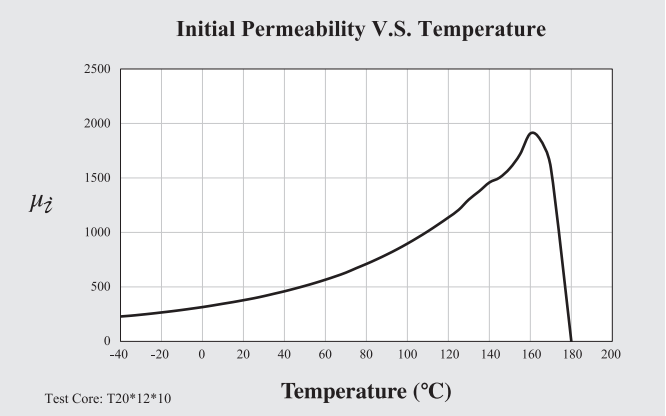
Test Core: T20*12*10

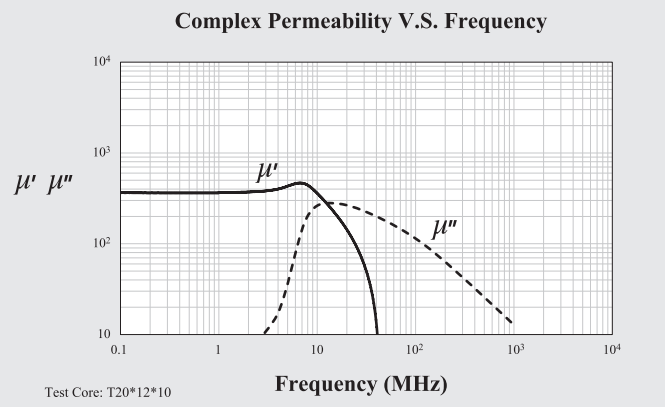
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D1C
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	350 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	360
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	255
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	31
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz	< 0.25mT	25°C	30
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 50
Curie Temperature	Tc	°C				≥ 160
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



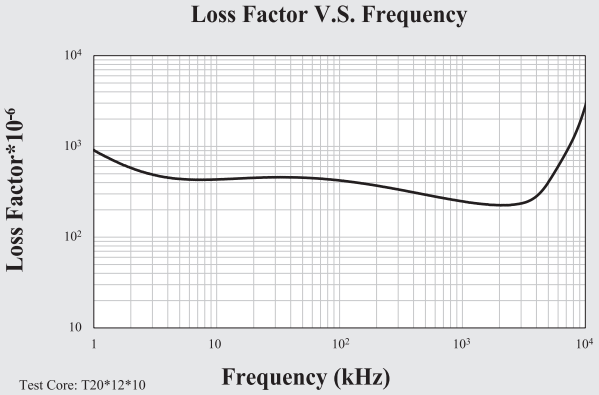


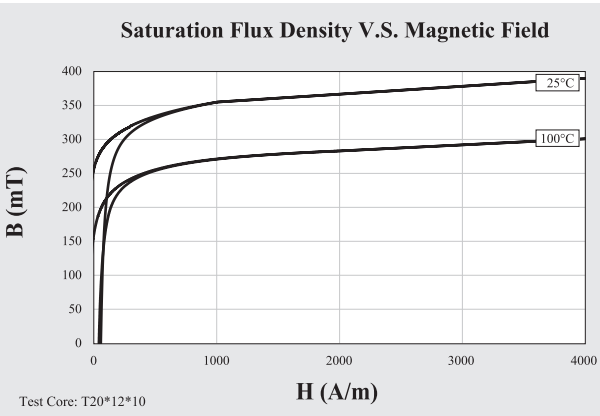


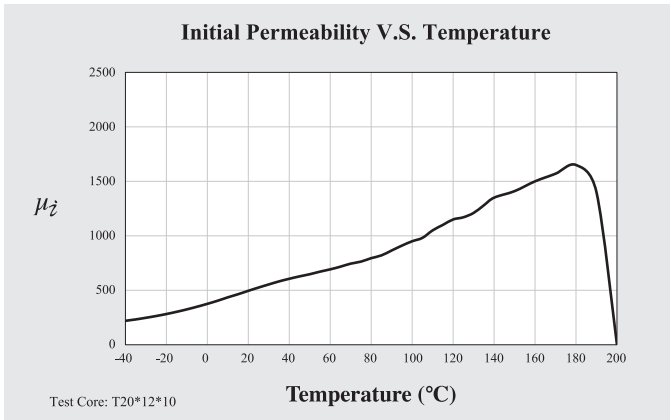


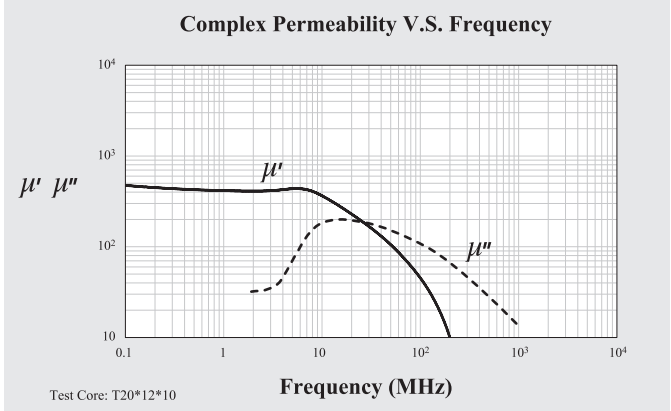
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D25
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	390
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	260
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	58
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz	< 0.25mT	25°C	248
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 35
Curie Temperature	Tc	°C				≥ 180
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



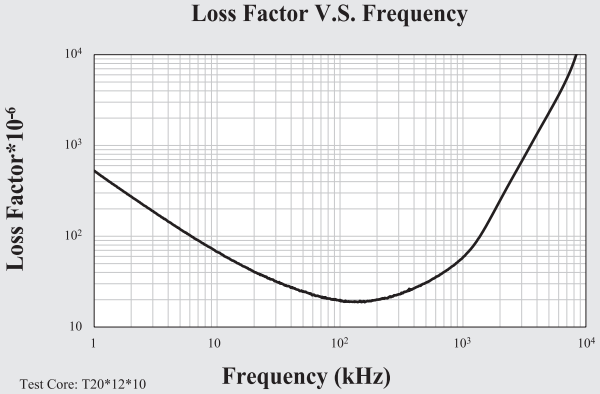


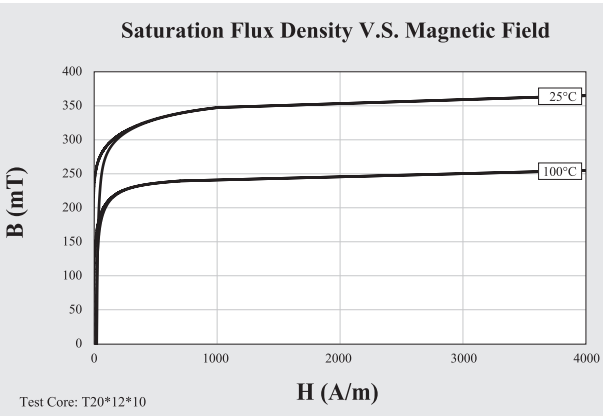


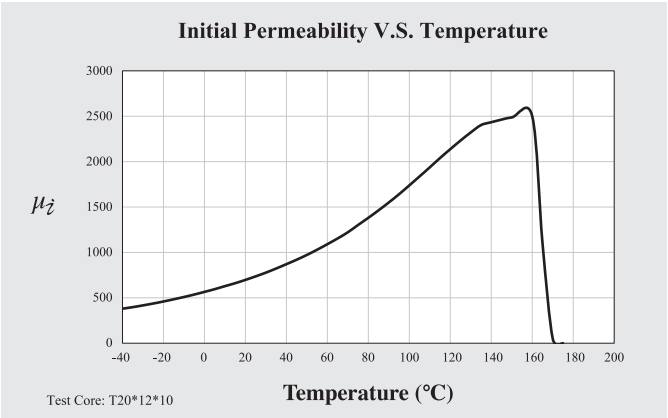


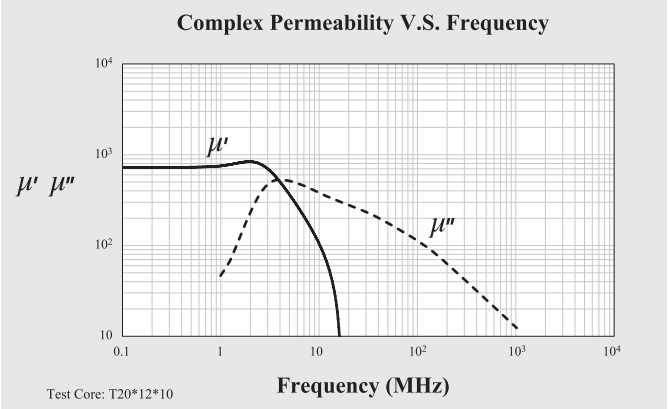
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D27
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	700 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	365
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	235
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	20
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	20
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 7
Curie Temperature	Tc	°C				≥ 150
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				4.80

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



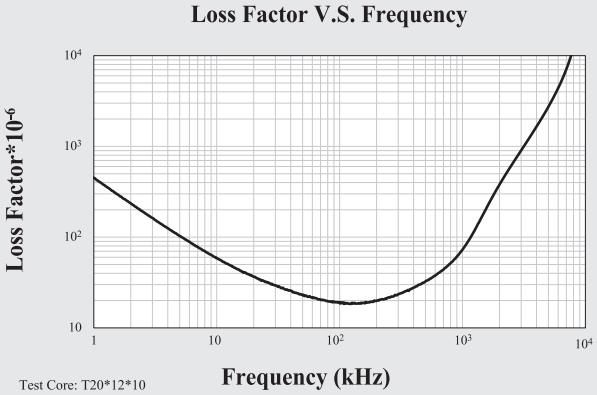


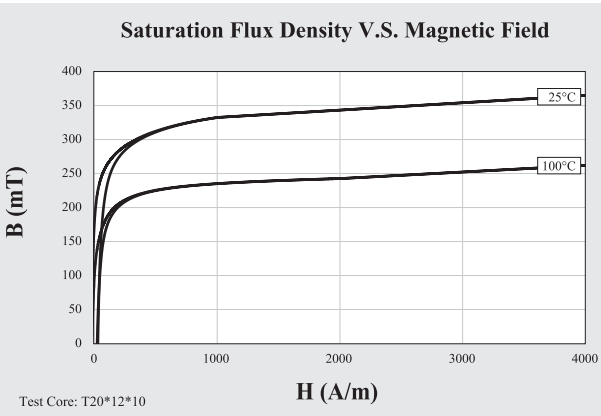


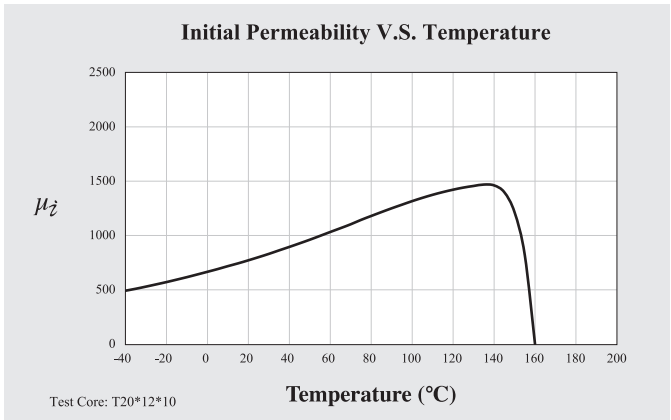


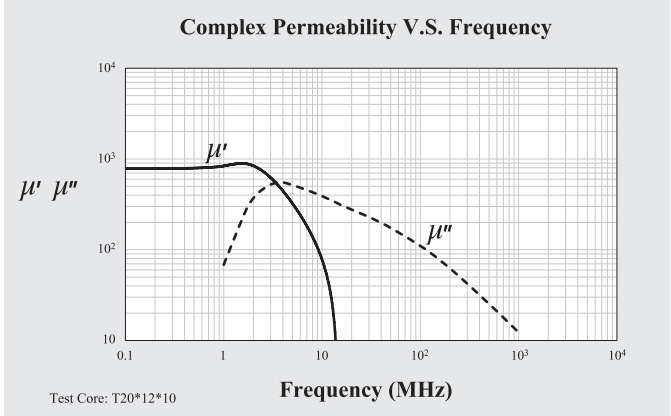
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D28
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	800 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	365
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	180
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	26
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	20
Temperature Factor of	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 5
Permeability					-50 ~ 80°C	≤ 1.5
Curie Temperature	Tc	°C				≥ 150
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



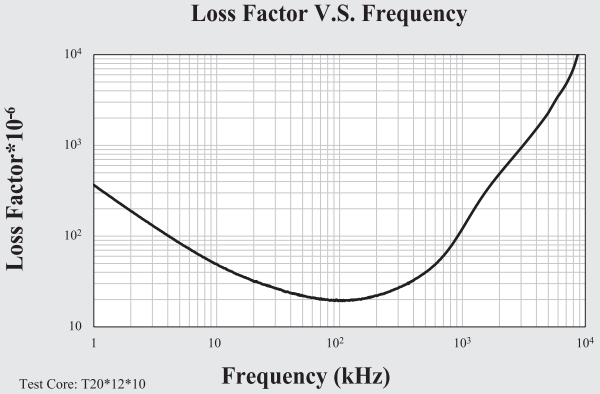


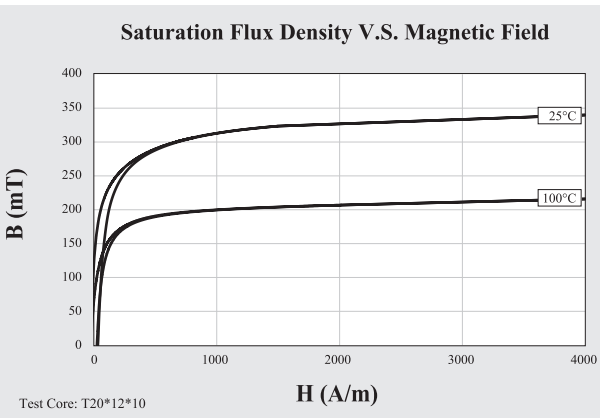


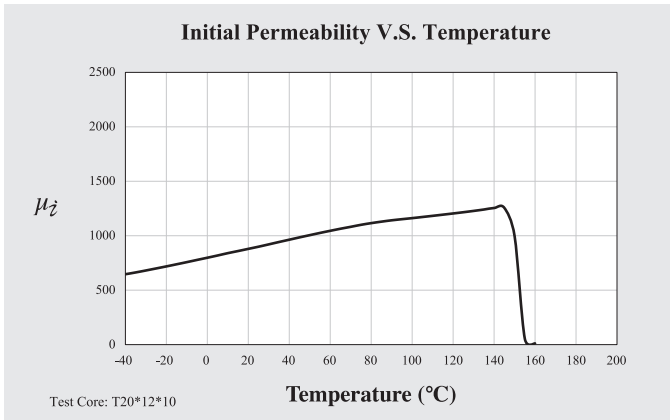


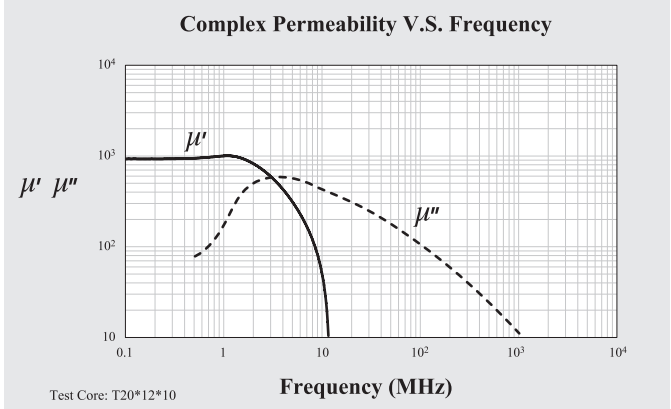
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D30
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	340
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	115
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	28
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	35
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 6
Curie Temperature	Tc	°C				≥ 140
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



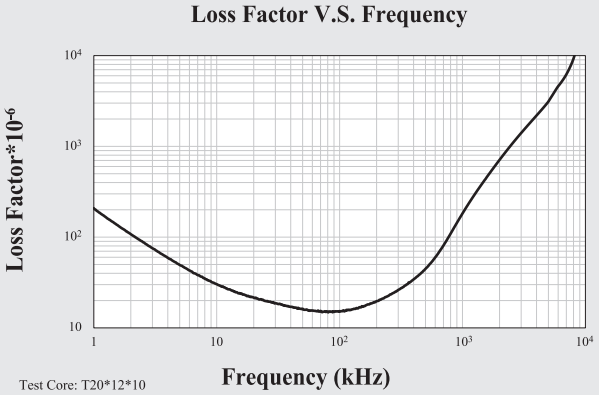


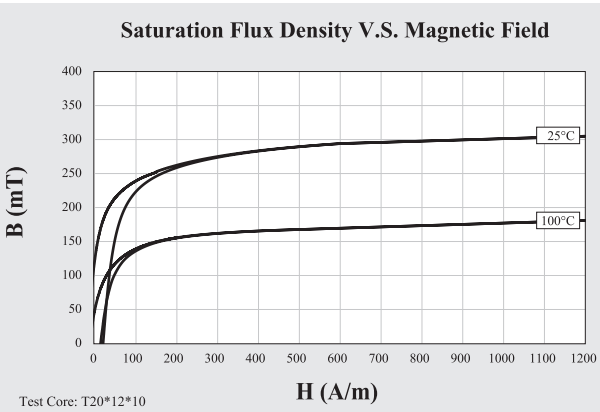


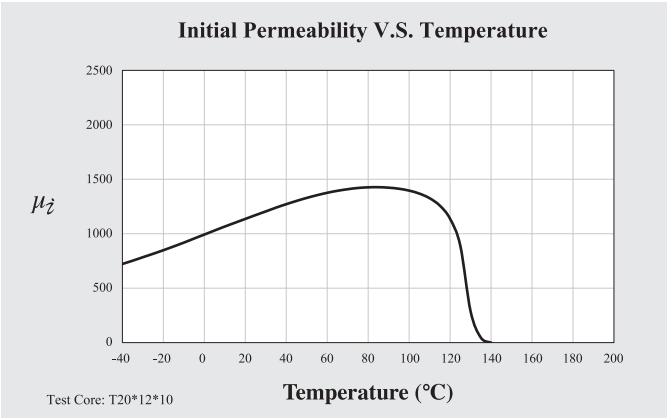


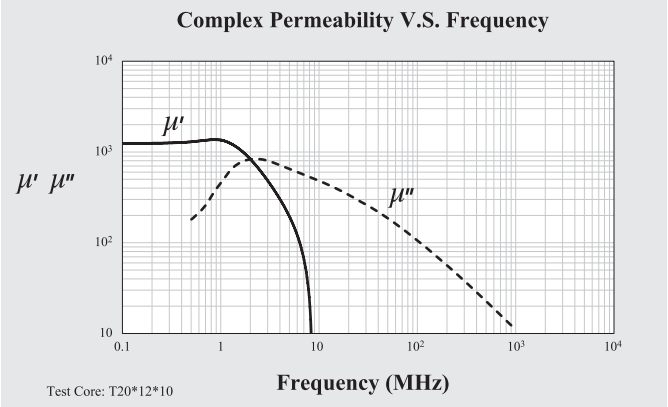
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D35
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1100 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	305
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	140
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	22
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	20
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 2
Curie Temperature	Tc	°C				≥ 120
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





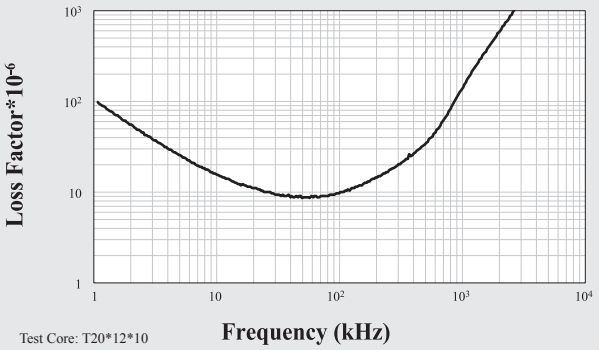




	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D37
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	290
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	150
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	20
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	10
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 4
Curie Temperature	Tc	°C				≥ 110
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

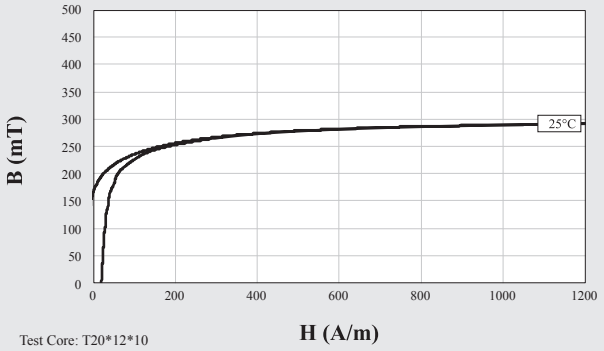
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



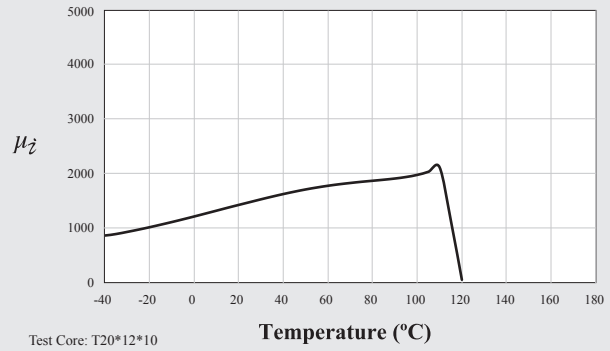
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



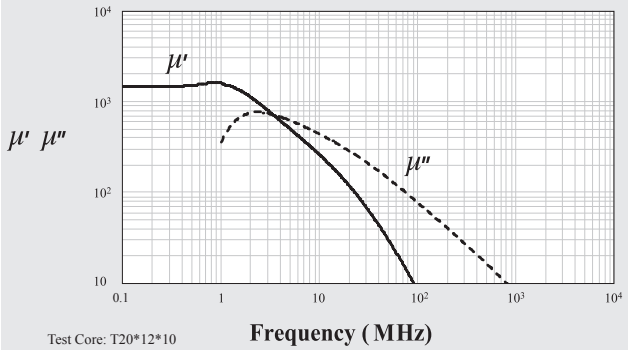
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

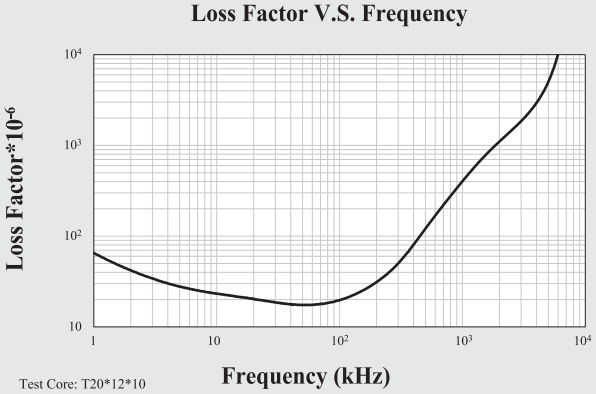
Complex Permeability V.S. Frequency

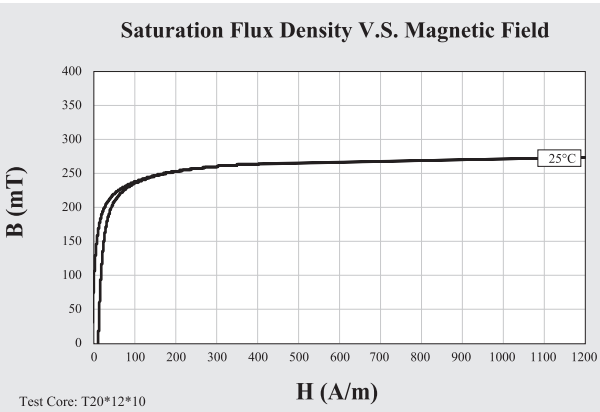


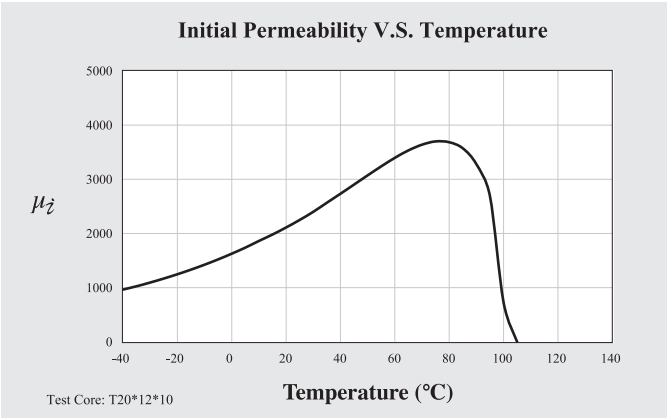
Test Core: T20*12*10

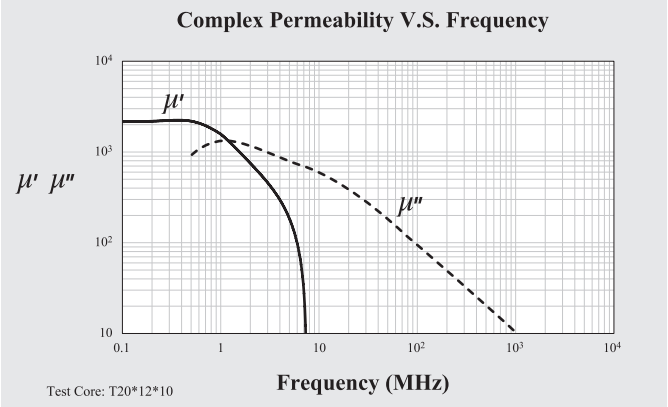
	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D40
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	2000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	275
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	115
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	8
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	18
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 20
Curie Temperature	Tc	°C				≥ 90
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



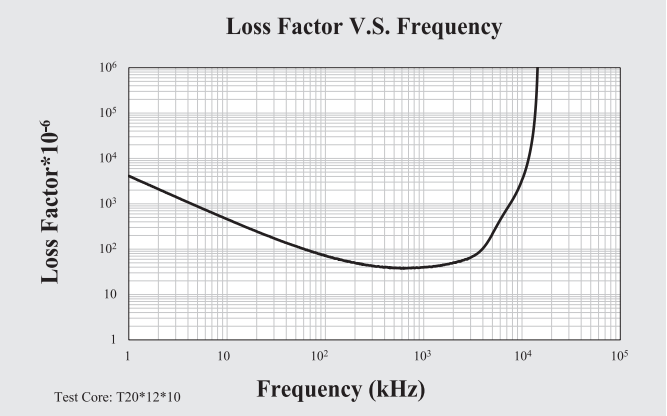


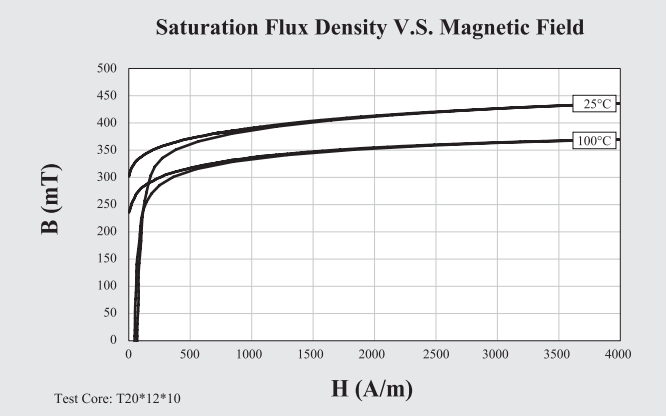


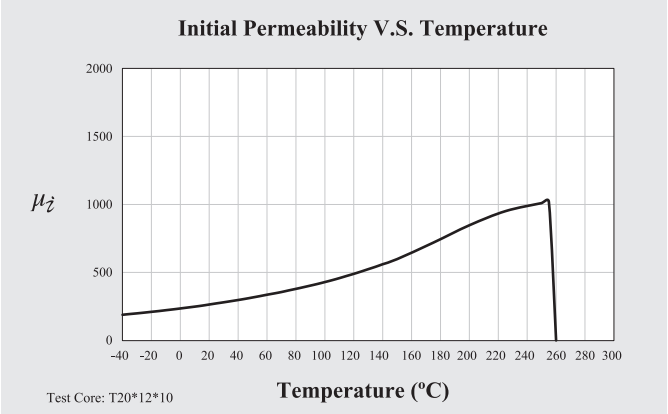


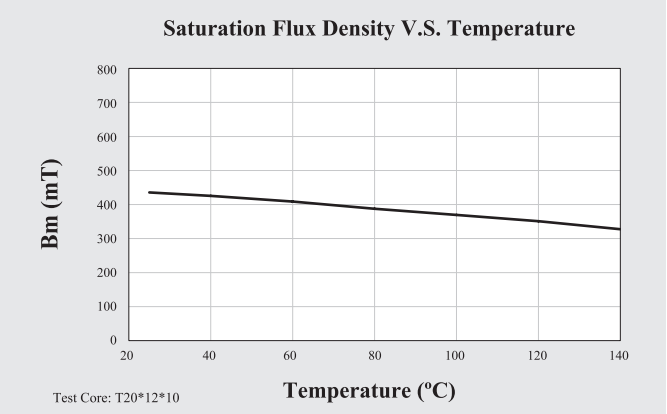
	Symbol	Unit	Measuring Conditions			Conventional High Bs Material
			Freq.	Flux den.	Temp.	A30
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	300 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	435
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	300
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	68
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz	< 0.25mT	25°C	40
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 25
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

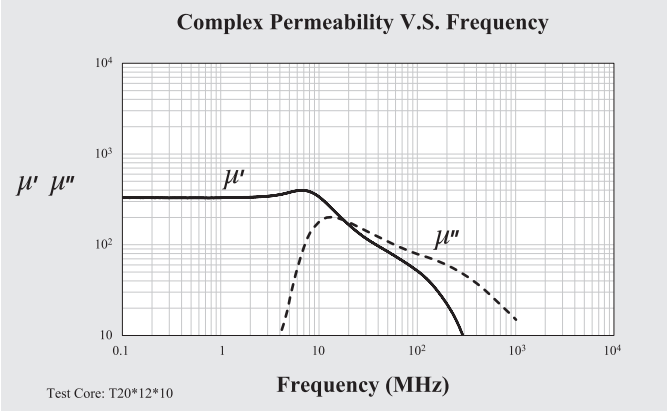
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





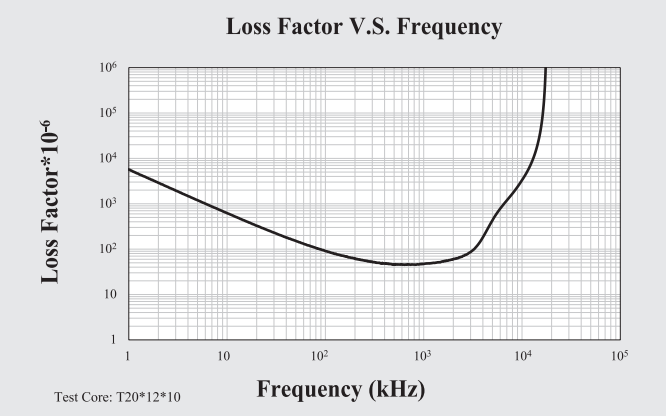


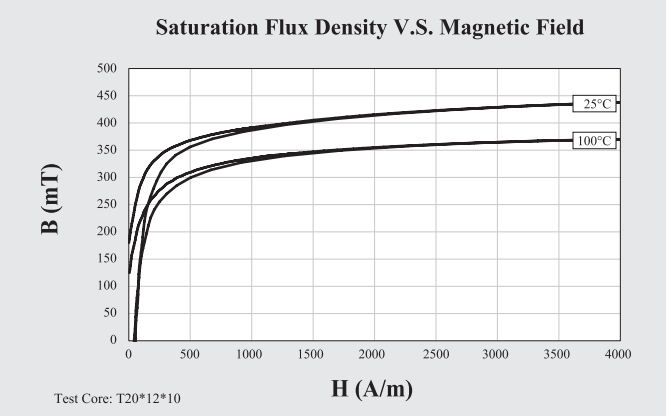


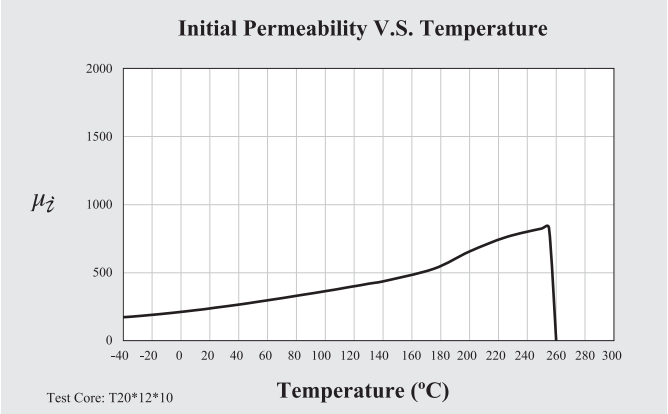


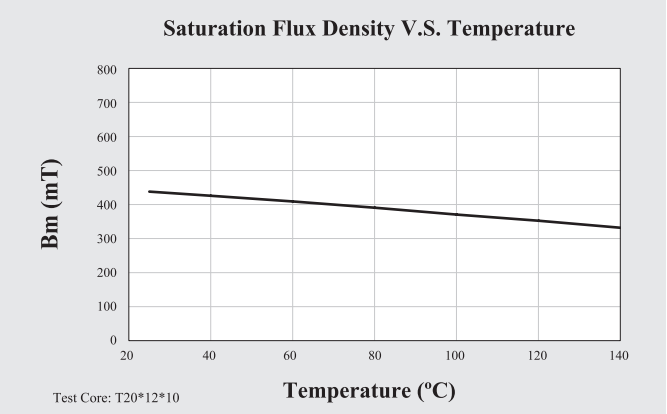
	Symbol	Unit	Measuring Conditions			Conventional High Bs Material
			Freq.	Flux den.	Temp.	A31
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	300 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	435
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	180
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	52
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.4MHz	< 0.25mT	25°C	50
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 25
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

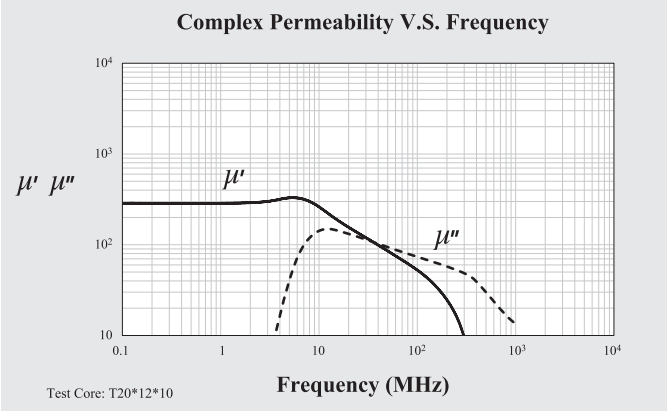
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





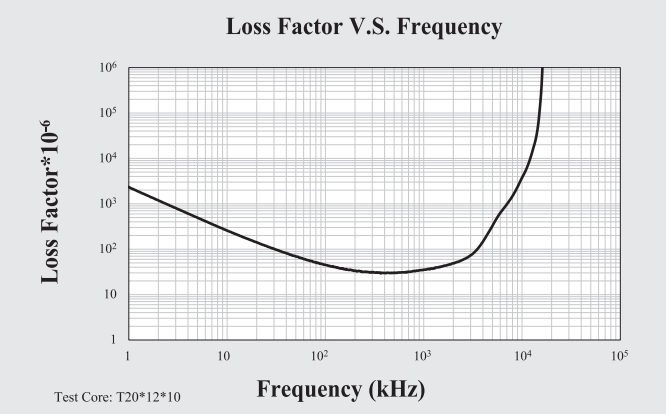


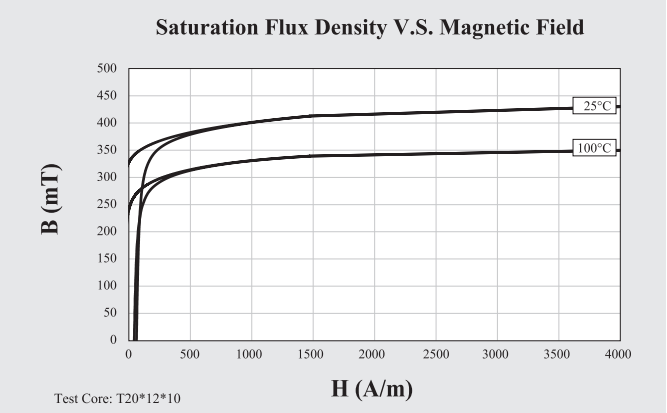


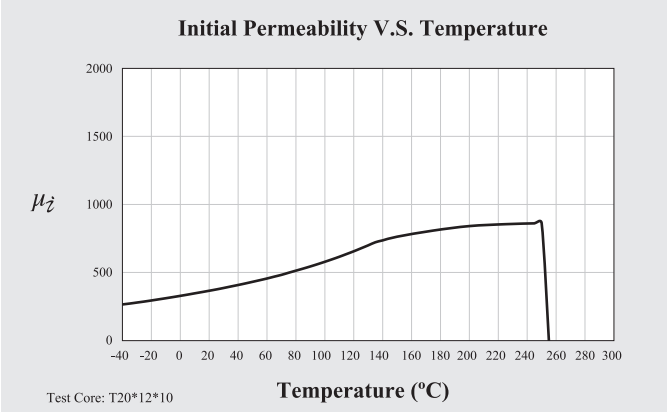


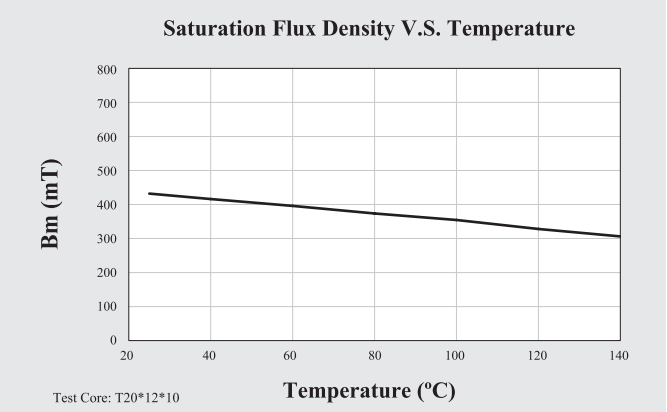
	Symbol	Unit	Measuring Conditions			Conventional High Bs Material
			Freq.	Flux den.	Temp.	A40
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	400 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	430
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	320
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	62
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz	< 0.25mT	25°C	35
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 20
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

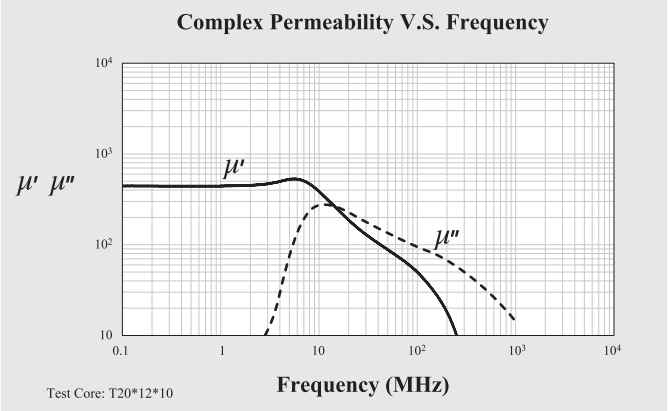
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





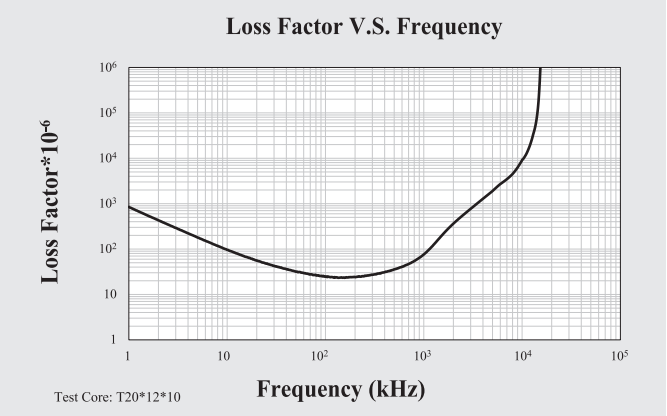


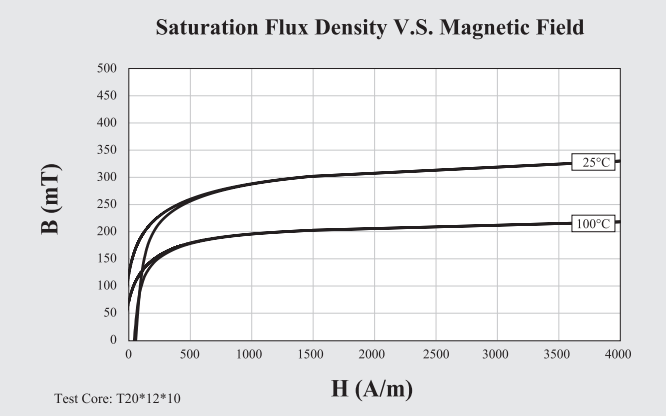


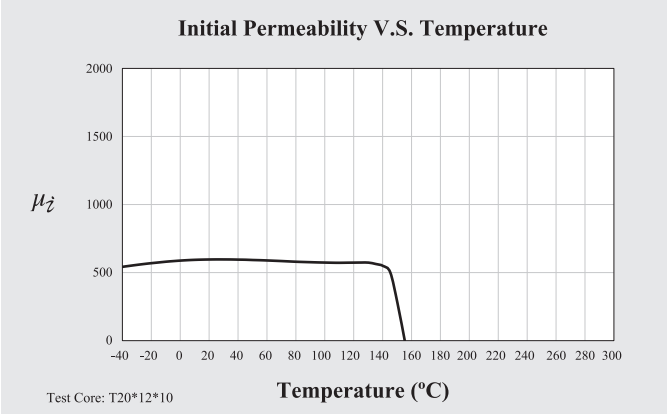


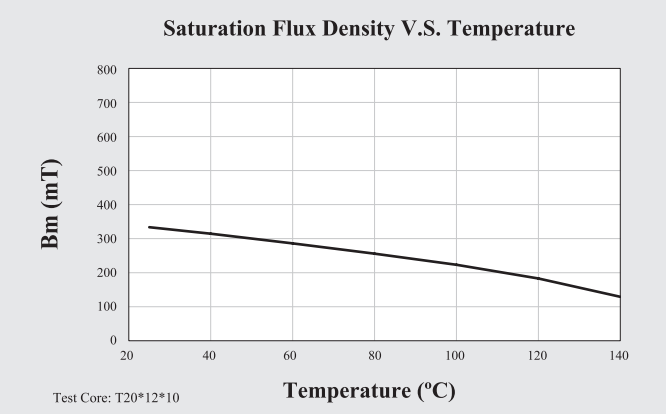
	Symbol	Unit	Measuring Conditions			Conventional High Bs Material
			Freq.	Flux den.	Temp.	A50
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	125
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	56
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	30
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 80°C	1 ~ 5
Curie Temperature	Tc	°C				≥ 150
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.00

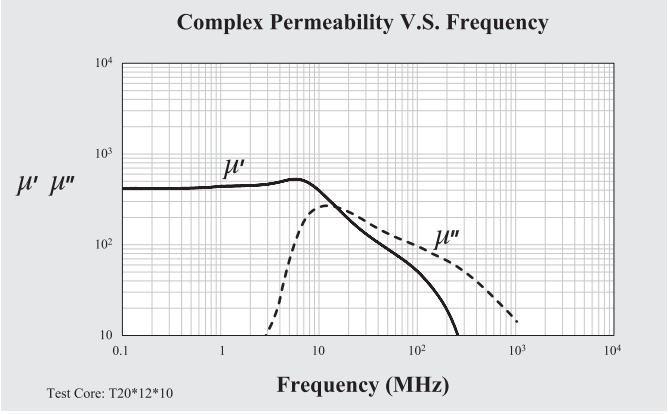
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





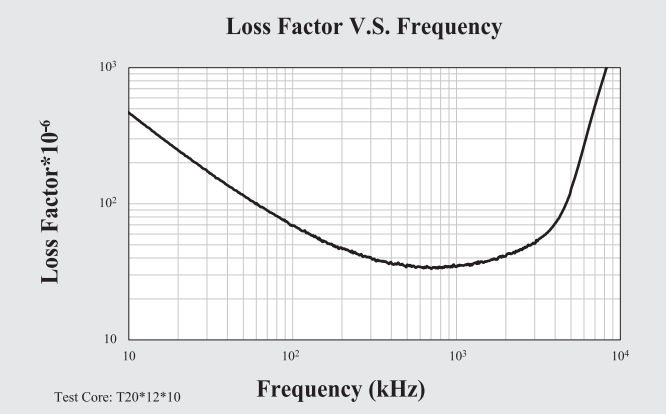


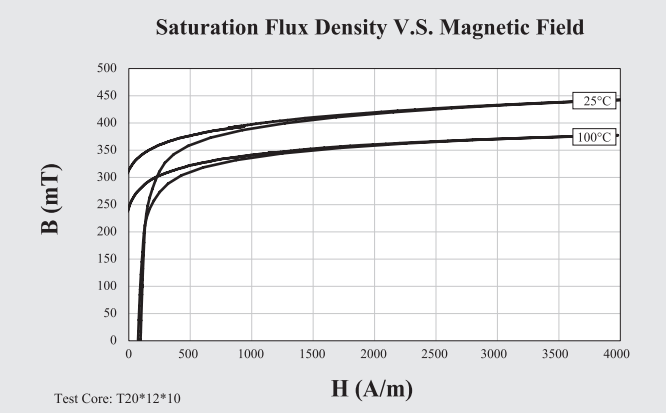


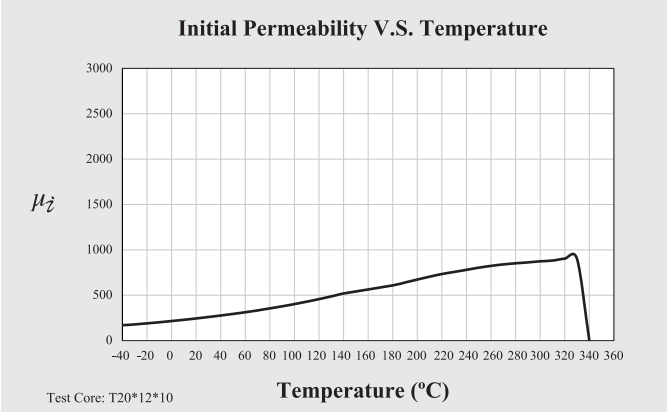


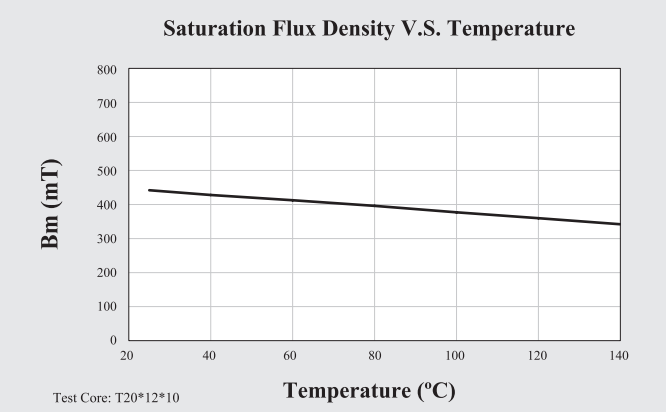
	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B25
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	250 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	445
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	320
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	95
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	70
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	12
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.20

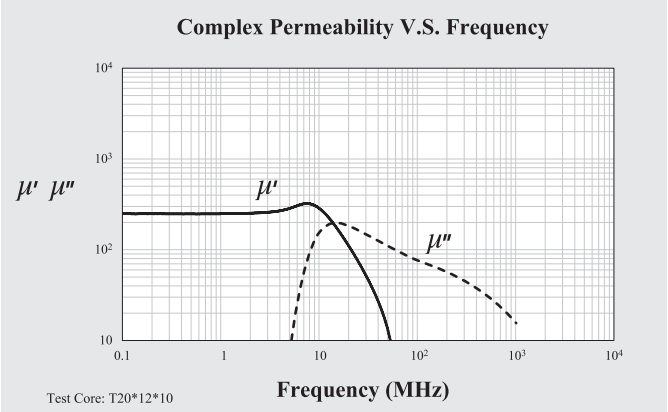
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





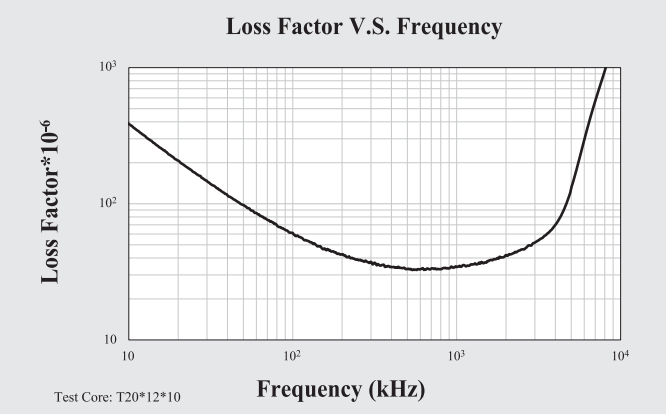


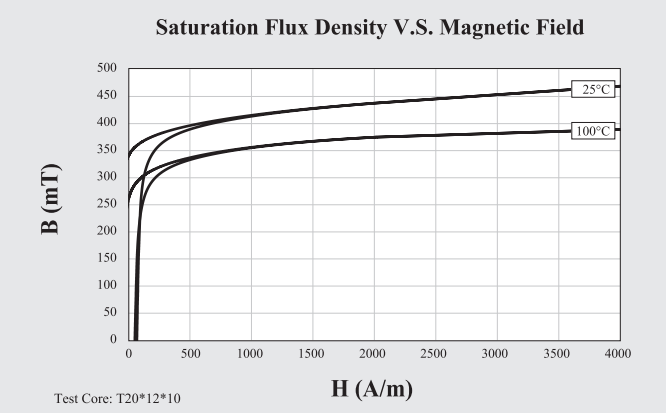


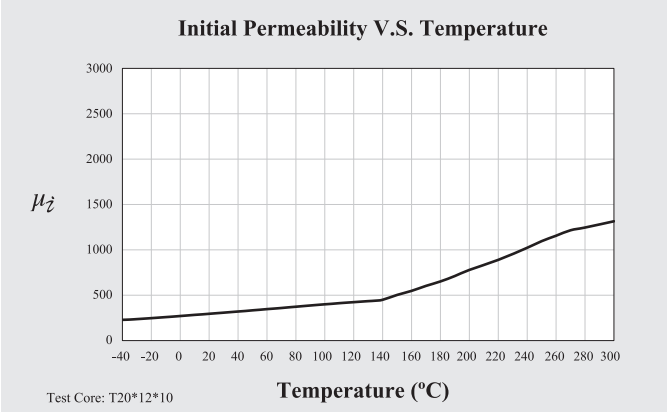


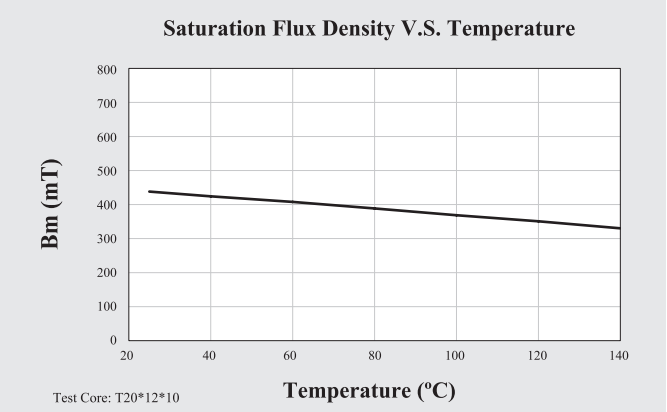
	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B30
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	300 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	470
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	250
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	80
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	60
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	16
Curie Temperature	Tc	°C				≥ 300
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.20

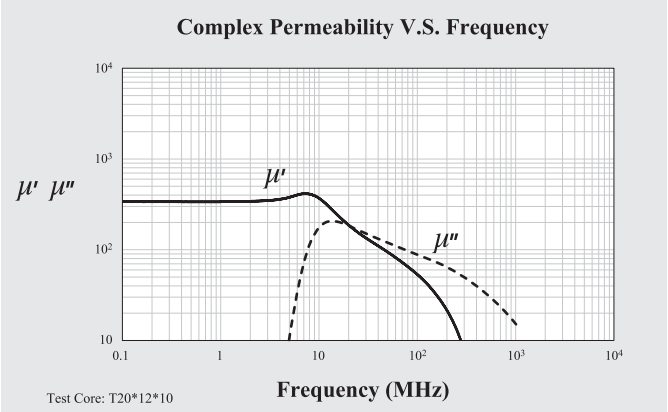
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





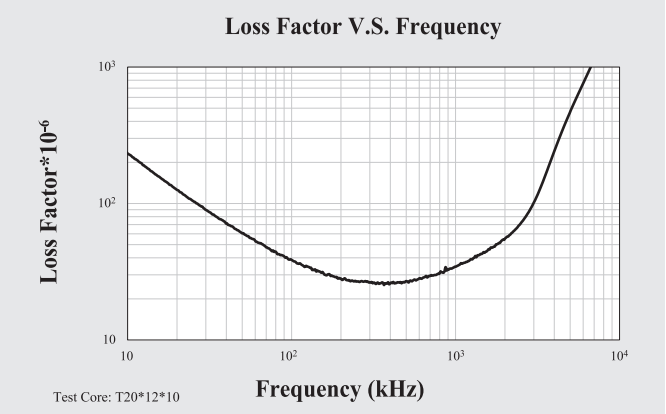


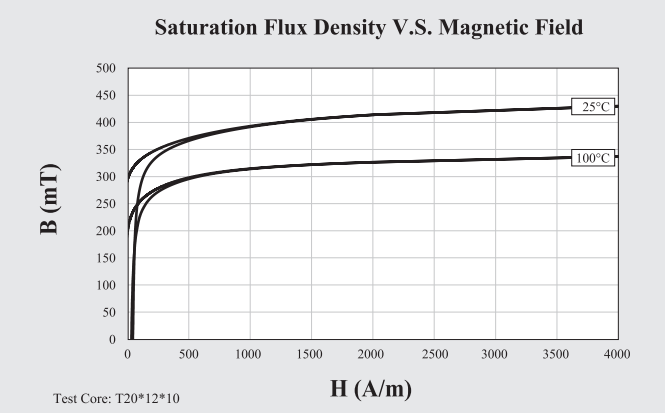


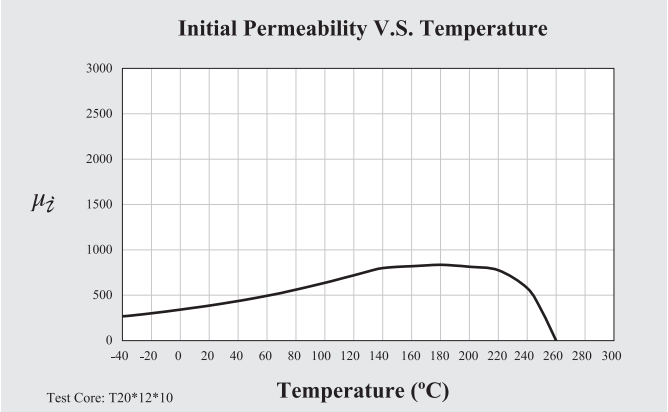


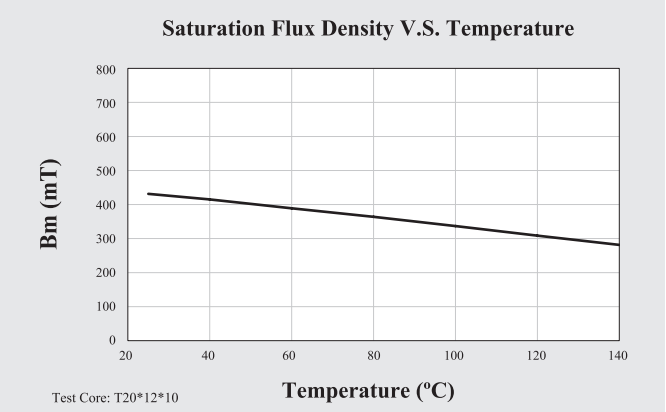
	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B40
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	400 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	430
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	300
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	45
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	40
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	10
Curie Temperature	Tc	°C				≥ 240
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.20

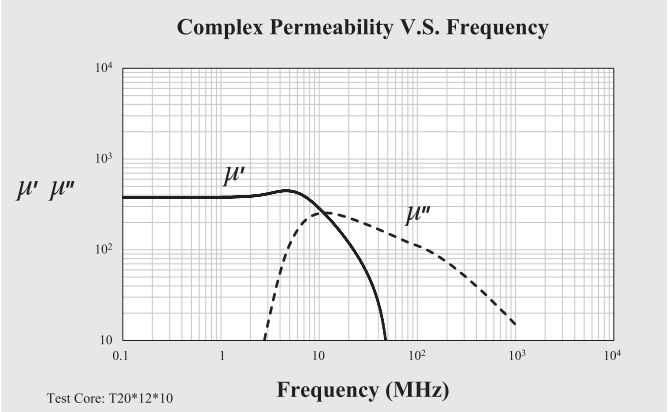
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





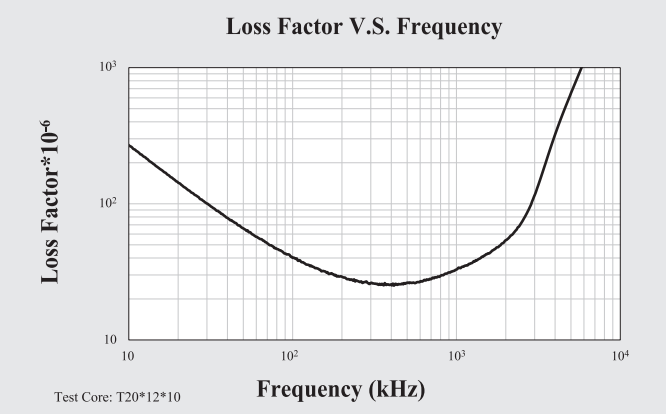


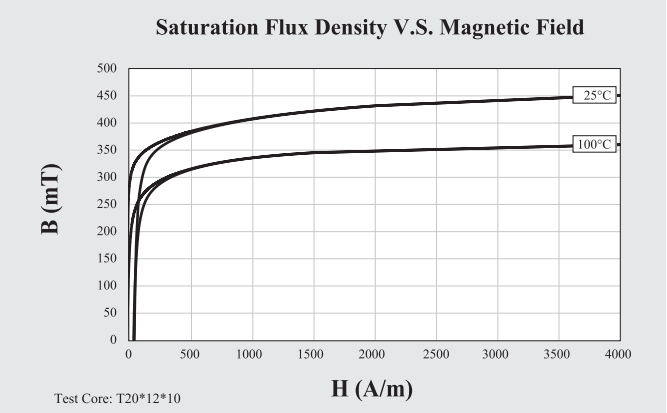


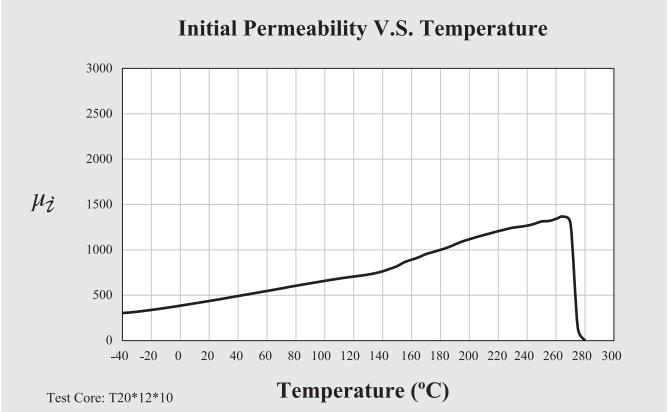


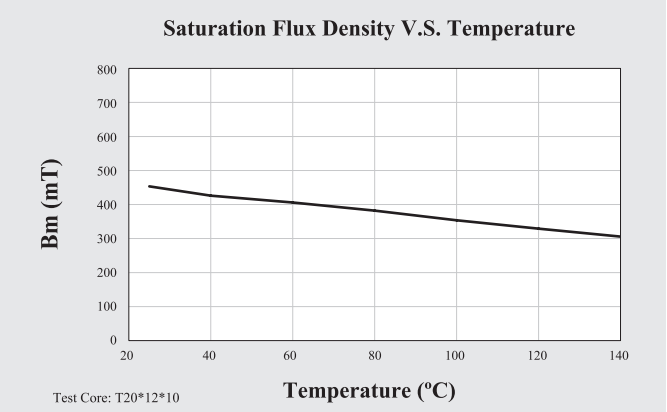
	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B45
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	450 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	450
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	270
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	49
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	40
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	15
Curie Temperature	Tc	°C				≥ 240
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.20

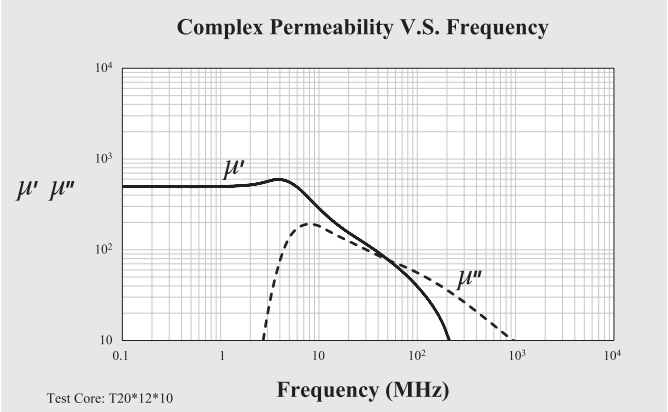
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





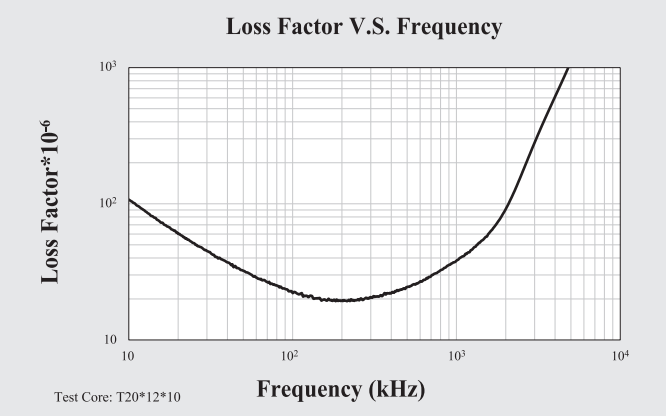


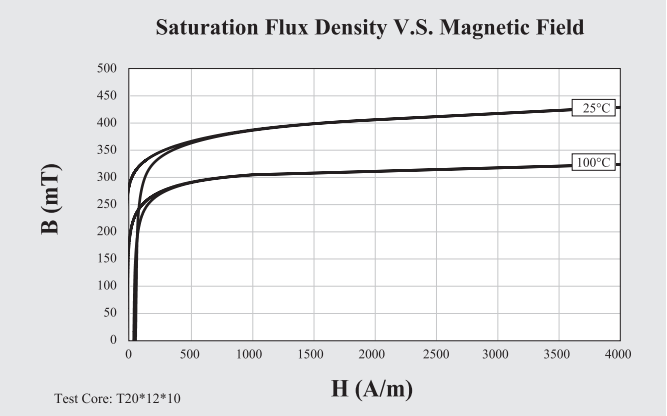


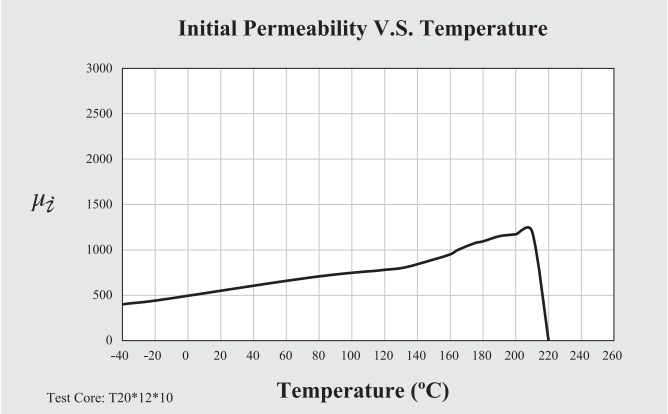


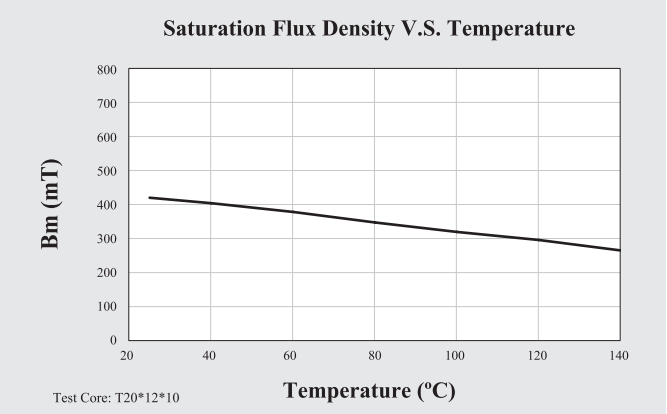
	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B60
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	600 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	430
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	300
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	40
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	25
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	12
Curie Temperature	Tc	°C				≥ 210
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.20

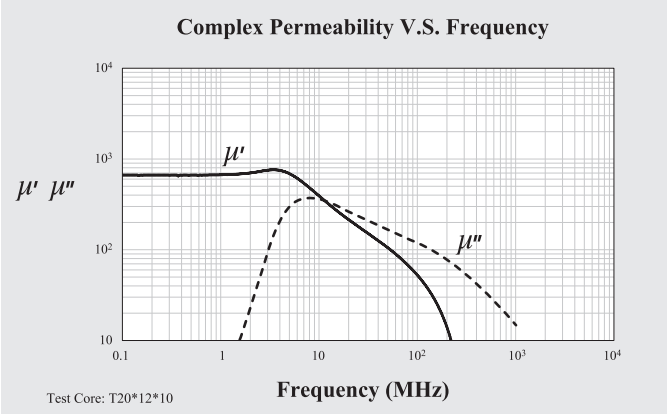
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





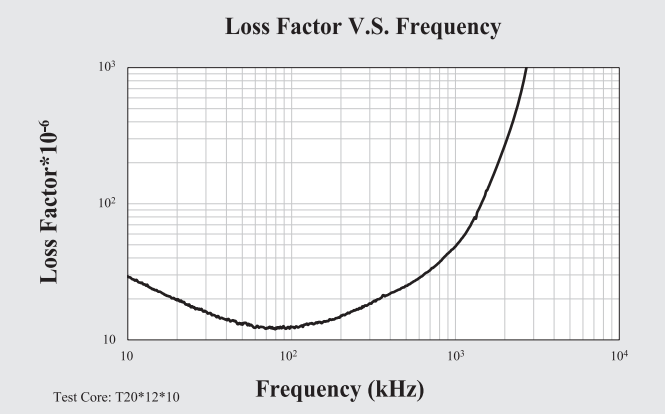


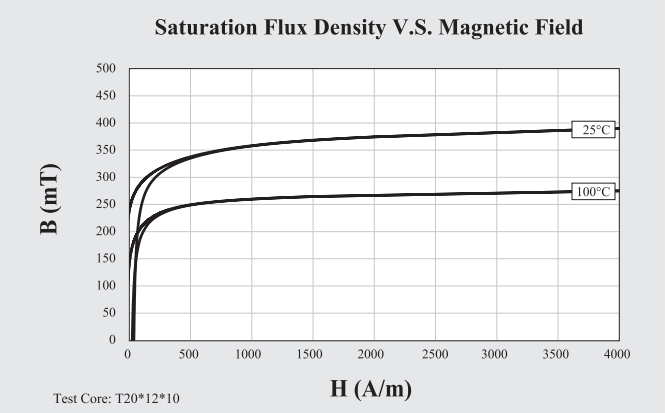


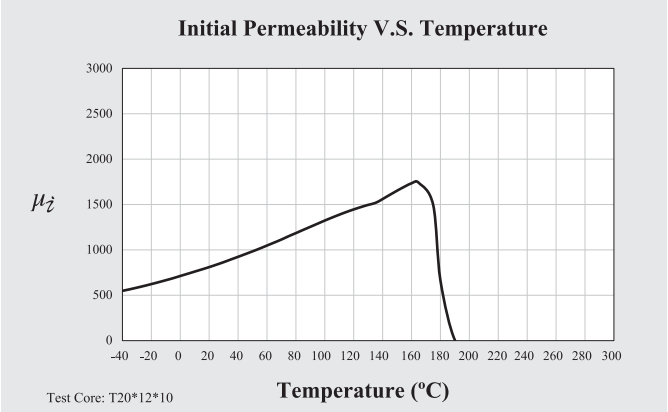


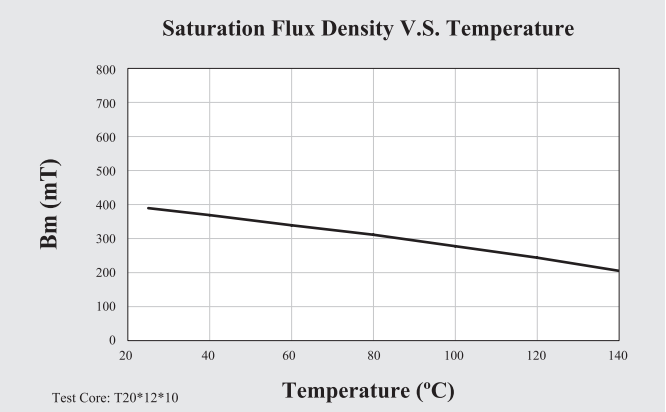
	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B90
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	900 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	390
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	250
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	38
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	13
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	8
Curie Temperature	Tc	°C				≥ 180
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.20

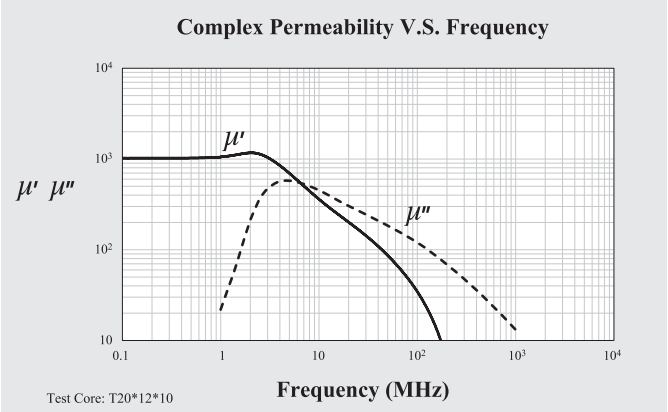
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.







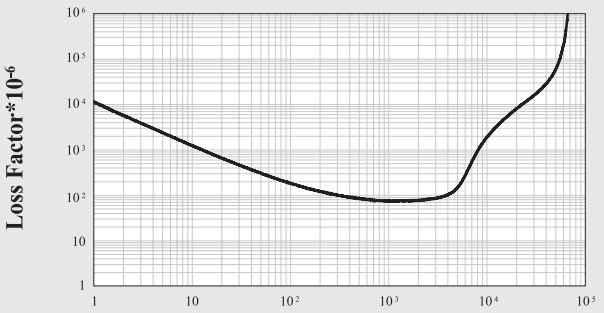




	Symbol	Unit	Measuring Conditions			Low Permeability Material
			Freq.	Flux den.	Temp.	L1
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	150 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	410
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	170
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	105
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	180
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

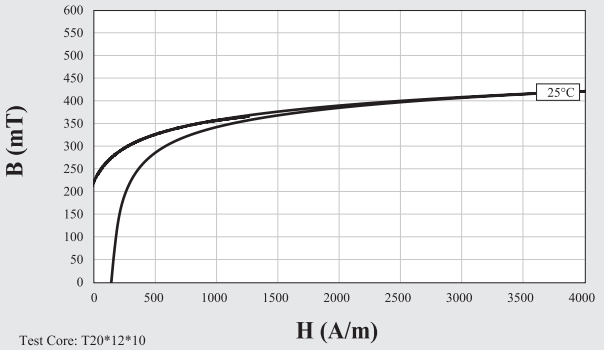
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



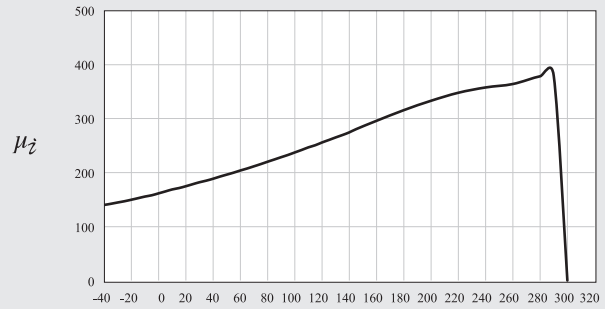
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



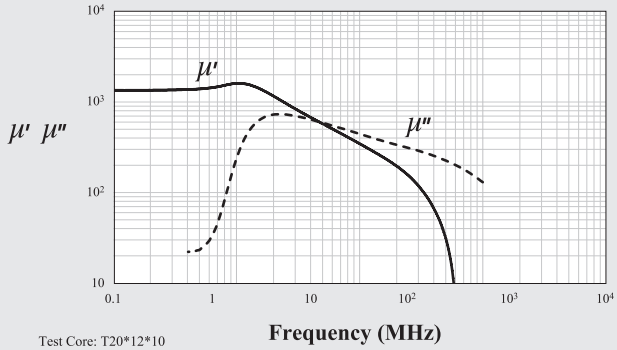
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

Complex Permeability V.S. Frequency

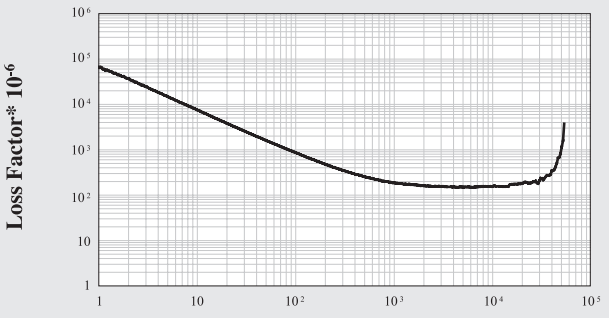


Test Core: T20*12*10

	Symbol	Unit	Measuring Conditions			Low Permeability Material
			Freq.	Flux den.	Temp.	L2
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	60 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	420
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	275
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	140
Relative Loss Factor	tanδ/μ_i	10^{-6}	10MHz	< 0.25mT	25°C	150
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

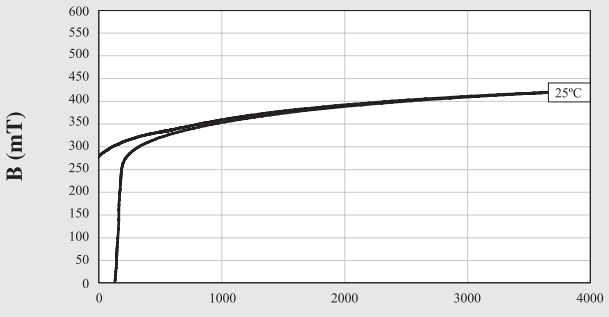
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



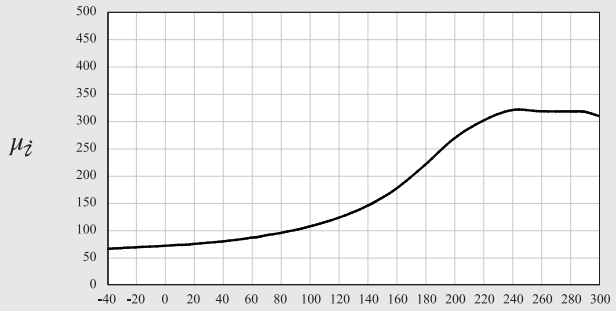
Test Core : T20*12*10

Saturation Flux Density V.S. Magnetic Field



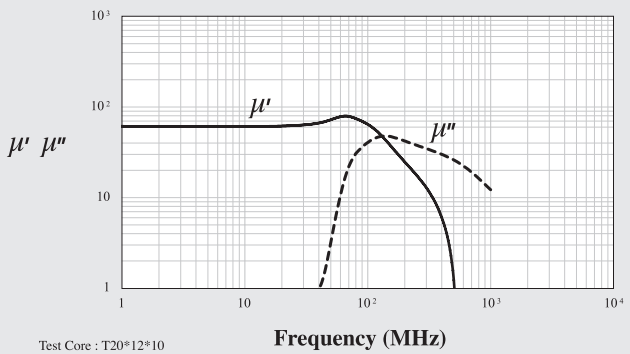
Test Core : T20*12*10

Initial Permeability V.S. Temperature



Test Core : T20*12*10

Complex Permeability V.S. Frequency

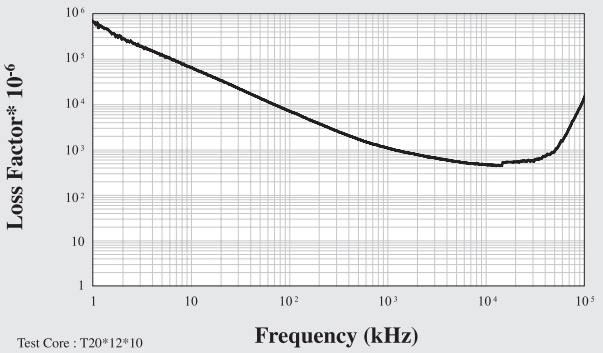


Test Core : T20*12*10

	Symbol	Unit	Measuring Conditions			Low Permeability Material
			Freq.	Flux den.	Temp.	L3
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	20 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 8000A/m	25°C	305
Remanence	Br	mT	10kHz	H = 8000A/m	25°C	120
Coercivity	Hc	A/m	10kHz	H = 8000A/m	25°C	600
Relative Loss Factor	tanδ/μ_i	10^{-6}	10MHz	< 0.25mT	25°C	445
Curie Temperature	Tc	°C				≥ 300
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

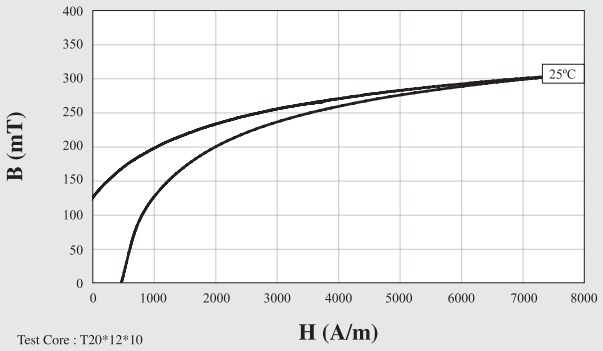
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



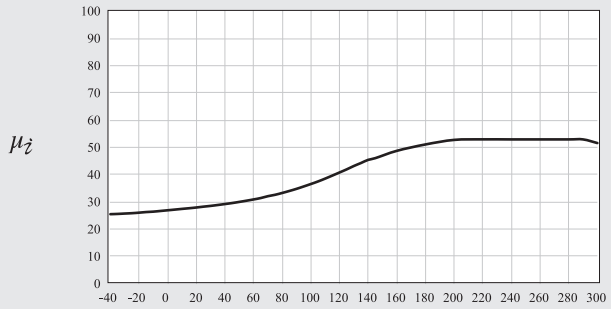
Test Core : T20*12*10

Saturation Flux Density V.S. Magnetic Field



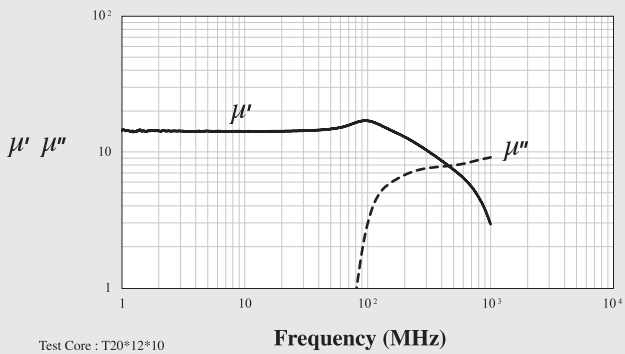
Test Core : T20*12*10

Initial Permeability V.S. Temperature



Test Core : T20*12*10

Complex Permeability V.S. Frequency

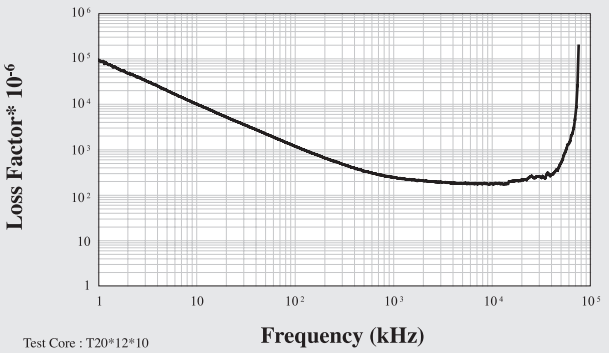


Test Core : T20*12*10

	Symbol	Unit	Measuring Conditions			Low Permeability Material
			Freq.	Flux den.	Temp.	L4
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	50 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	395
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	255
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	200
Relative Loss Factor	tanδ/μ_i	10^{-6}	10MHz	< 0.25mT	25°C	170
Curie Temperature	Tc	°C				≥ 300
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

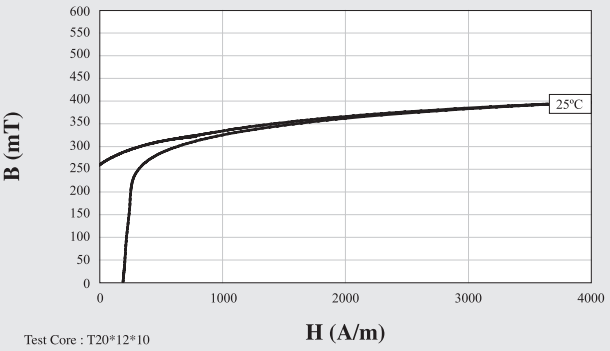
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



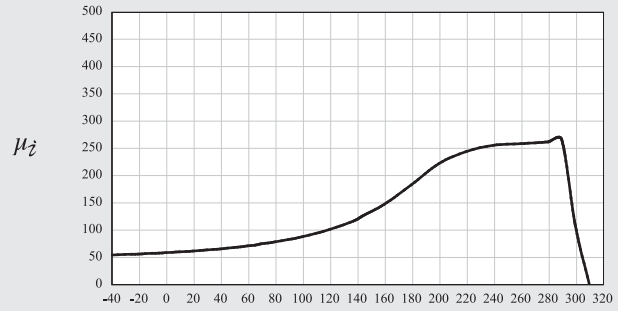
Test Core : T20*12*10

Saturation Flux Density V.S. Magnetic Field



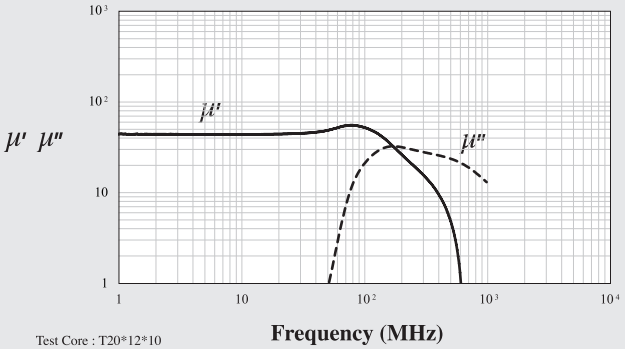
Test Core : T20*12*10

Initial Permeability V.S. Temperature



Test Core : T20*12*10

Complex Permeability V.S. Frequency

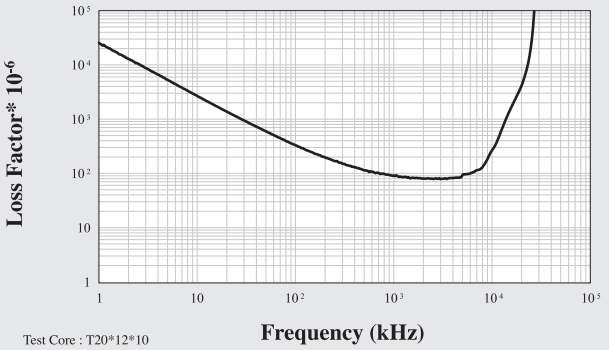


Test Core : T20*12*10

	Symbol	Unit	Measuring Conditions			Low Permeability Material
			Freq.	Flux den.	Temp.	L5
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	100 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	390
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	175
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	140
Relative Loss Factor	tanδ/μ_i	10^{-6}	100kHz	< 0.25mT	25°C	350
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

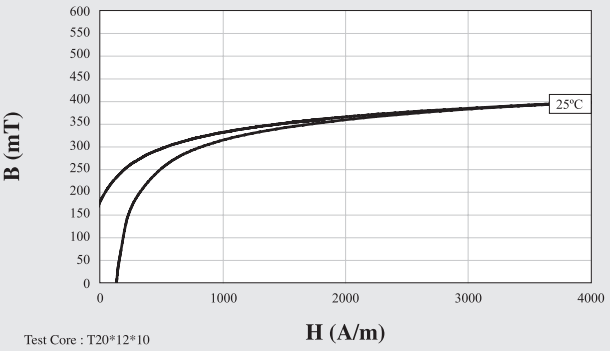
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



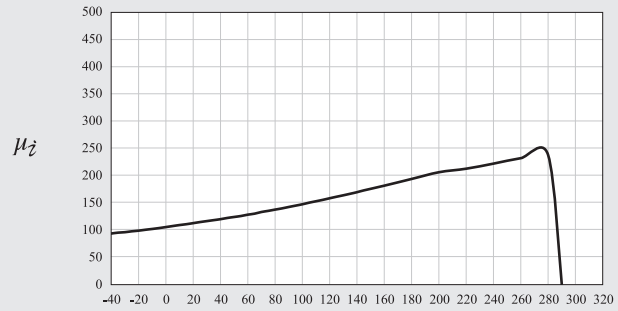
Test Core : T20*12*10

Saturation Flux Density V.S. Magnetic Field



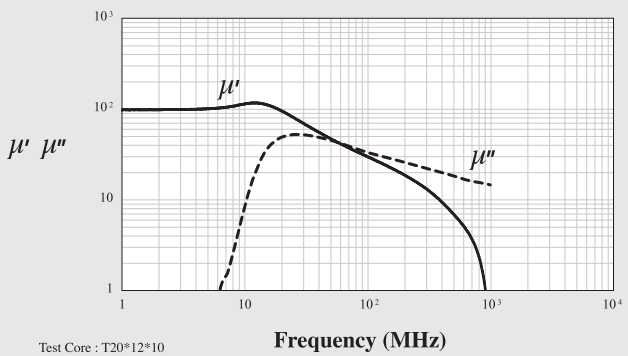
Test Core : T20*12*10

Initial Permeability V.S. Temperature



Test Core : T20*12*10

Complex Permeability V.S. Frequency

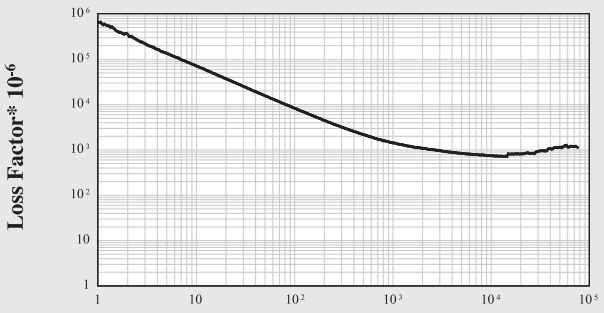


Test Core : T20*12*10

	Symbol	Unit	Measuring Conditions			Low Permeability Material
			Freq.	Flux den.	Temp.	L6
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	14 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 8000A/m	25°C	265
Remanence	Br	mT	10kHz	H = 8000A/m	25°C	175
Coercivity	Hc	A/m	10kHz	H = 8000A/m	25°C	1540
Relative Loss Factor	tanδ/μ_i	10^{-6}	10MHz	< 0.25mT	25°C	705
Curie Temperature	Tc	°C				≥ 300
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

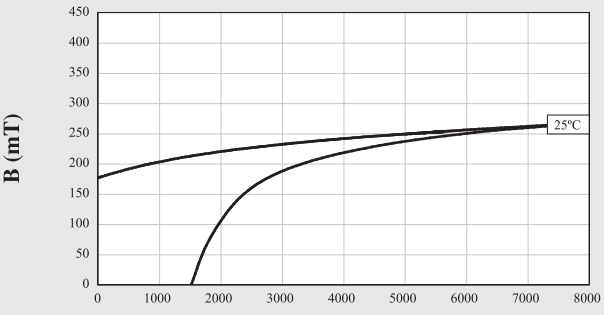
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



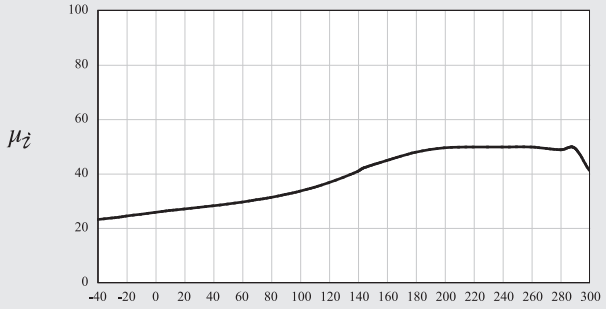
Test Core : T20*12*10

Saturation Flux Density V.S. Magnetic Field



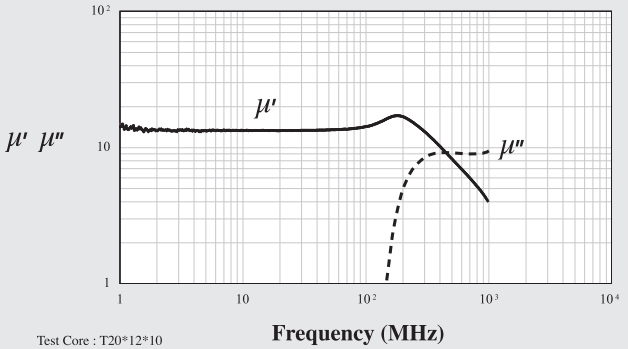
Test Core : T20*12*10

Initial Permeability V.S. Temperature



Test Core : T20*12*10

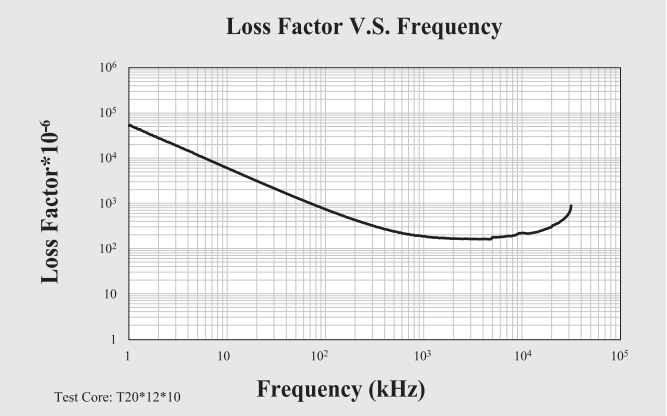
Complex Permeability V.S. Frequency

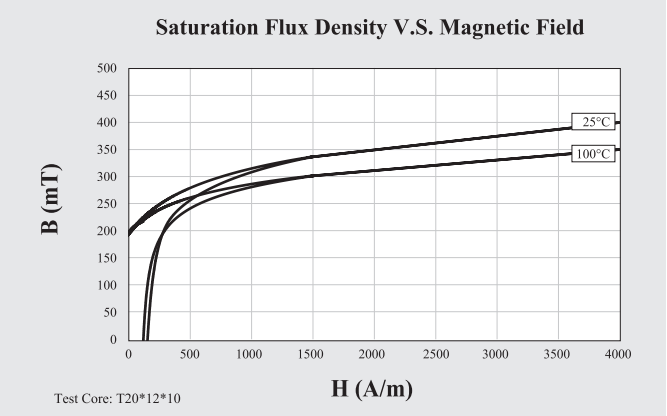


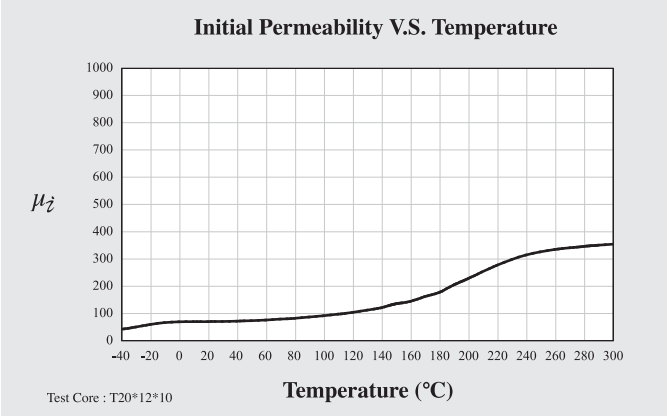
Test Core : T20*12*10

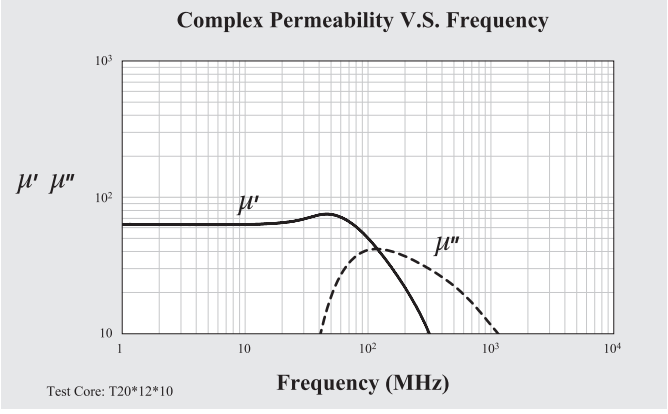
	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H2
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	50 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	185
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	400
					100°C	350
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	195
					100°C	195
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	155
					100°C	120
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	100
Curie Temperature	Tc	°C				≥ 300
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



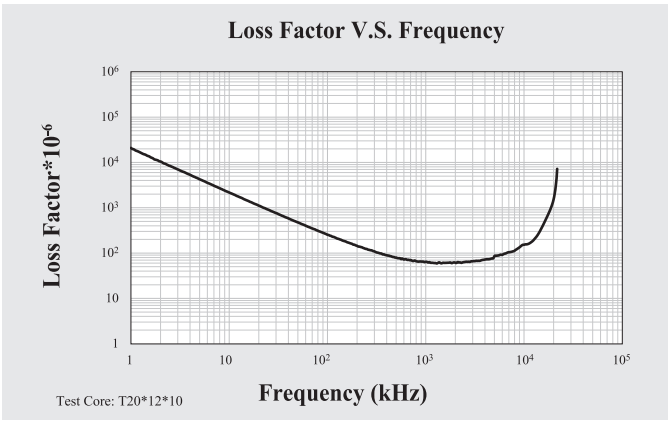


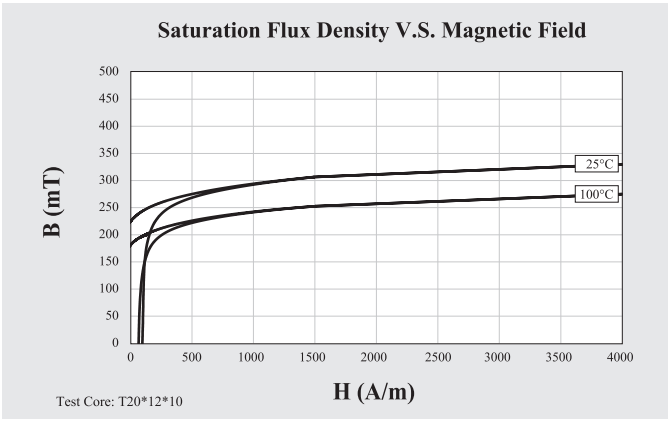


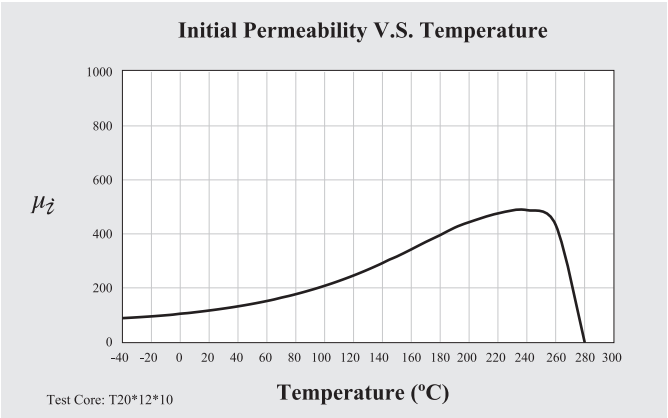


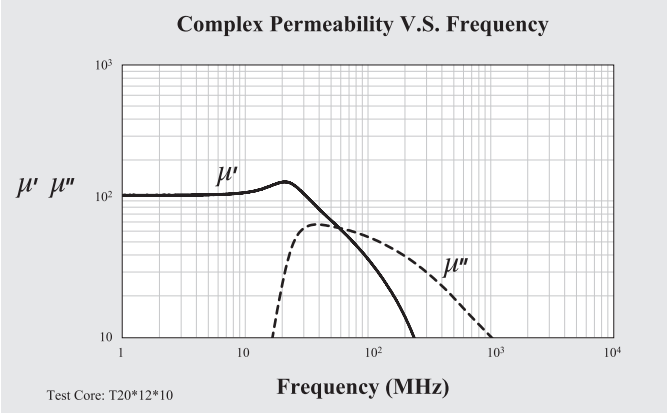
	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H3
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	100 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	70
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330
					100°C	275
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	225
					100°C	180
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	95
					100°C	65
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	80
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				4.80

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



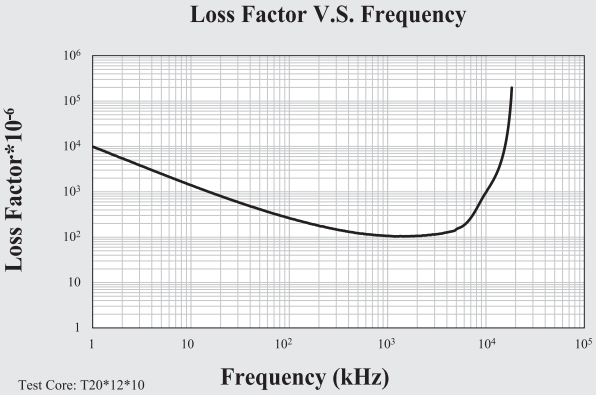


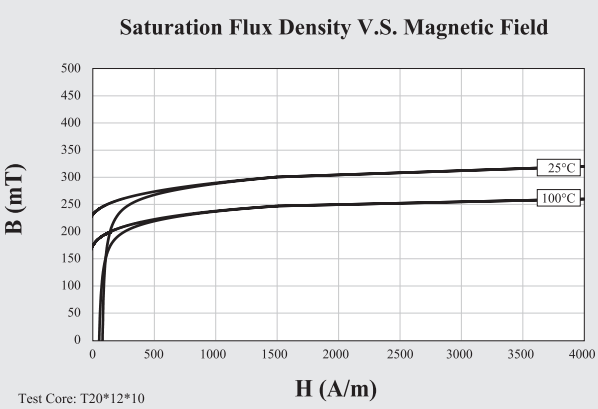


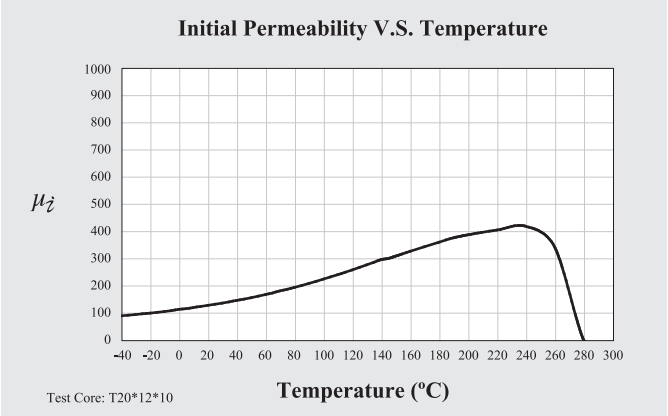


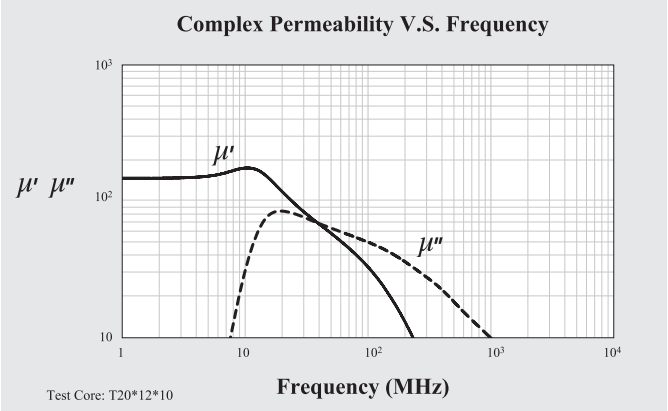
	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H3A
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	125 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	110
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	320
					100°C	260
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	235
					100°C	175
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	80
					100°C	50
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	110
Curie Temperature	Tc	°C				≥ 230
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				4.60

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





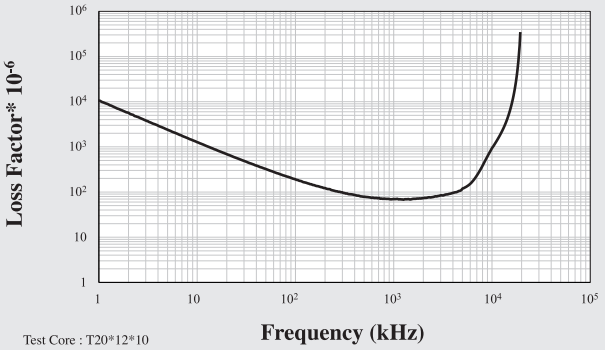




	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H3B
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	150 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	70
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330
					100°C	270
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	245
					100°C	185
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	90
					100°C	60
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	60
Curie Temperature	Tc	°C				≥ 220
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				4.80

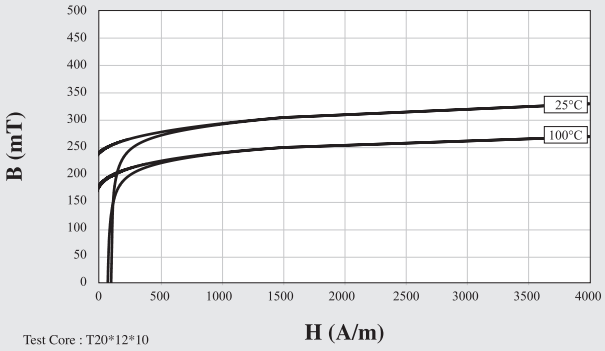
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



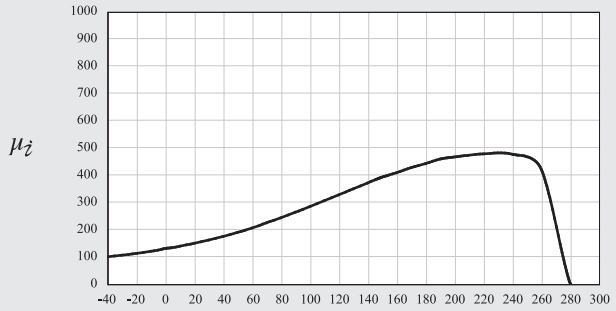
Test Core : T20*12*10

Saturation Flux Density V.S. Magnetic Field



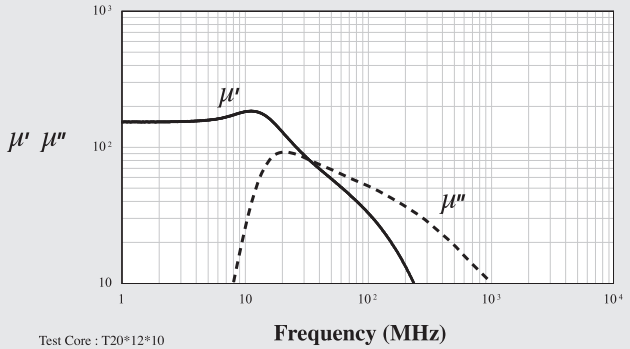
Test Core : T20*12*10

Initial Permeability V.S. Temperature



Test Core : T20*12*10

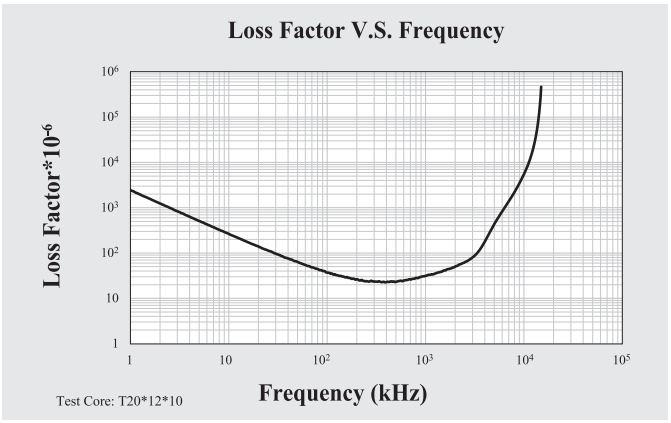
Complex Permeability V.S. Frequency

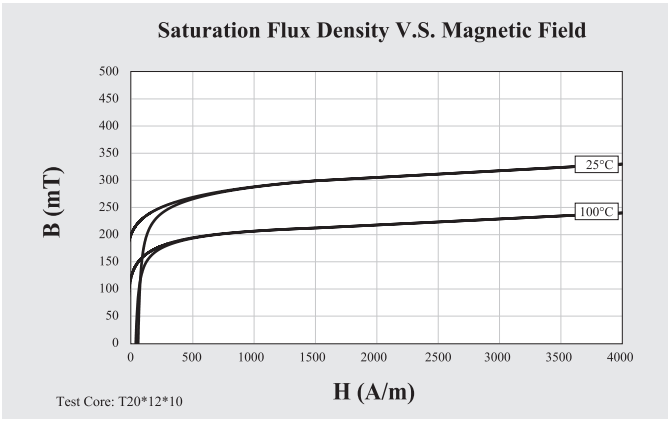


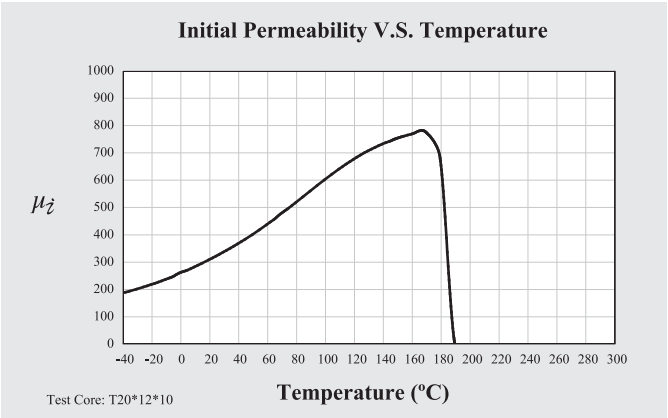
Test Core : T20*12*10

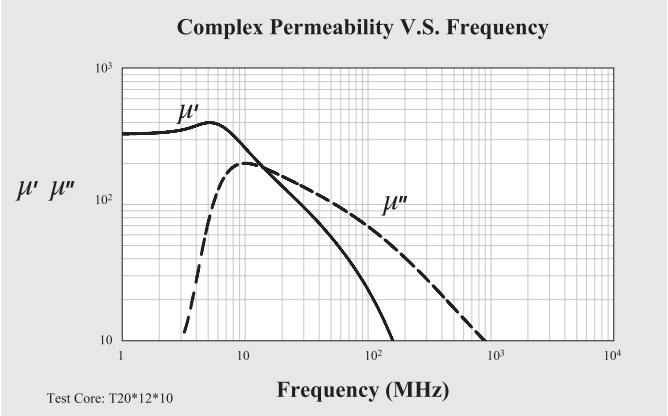
	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H4
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	300 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	35
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330
					100°C	240
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	205
					100°C	130
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	55
					100°C	35
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	100
Curie Temperature	Tc	°C				≥ 160
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				4.80

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





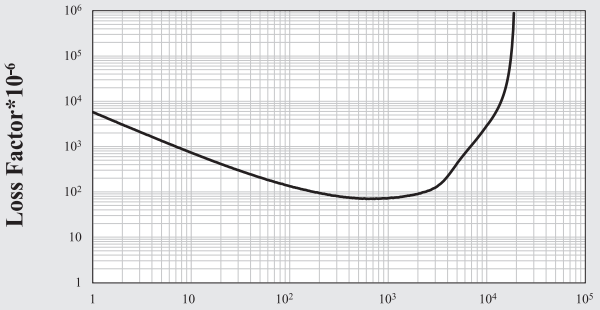




	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H5
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	250 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	75
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	410
					100°C	345
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	295
					100°C	200
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	40
					100°C	30
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	40
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				5.10

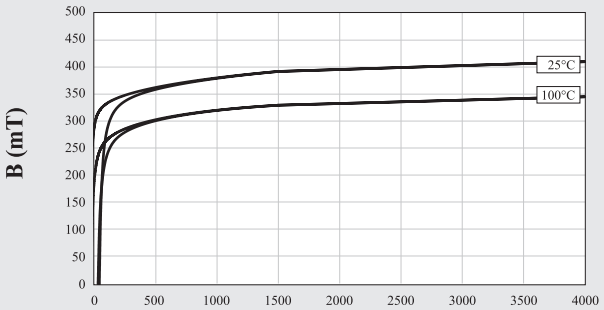
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



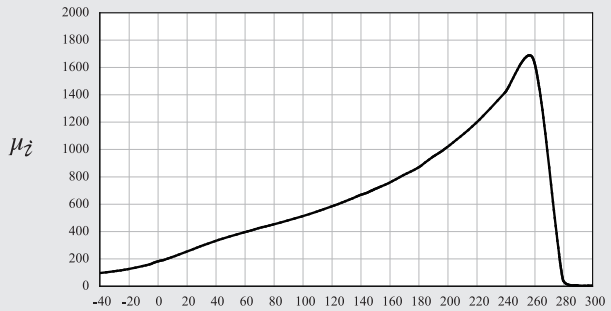
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



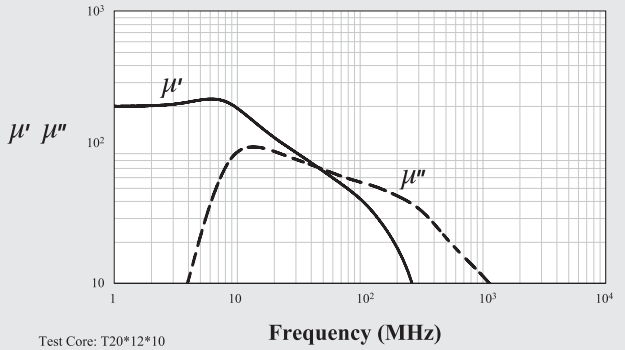
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

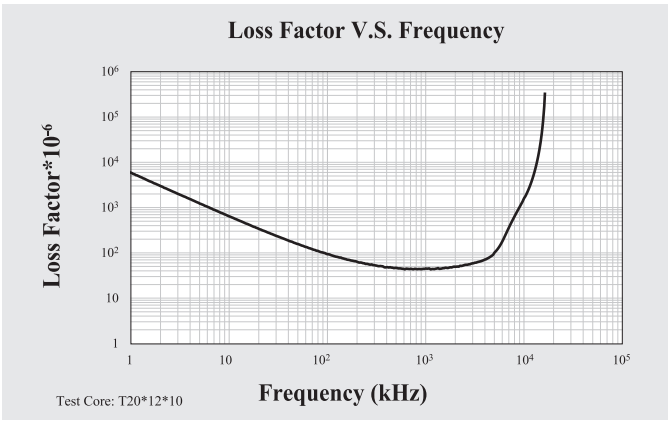
Complex Permeability V.S. Frequency

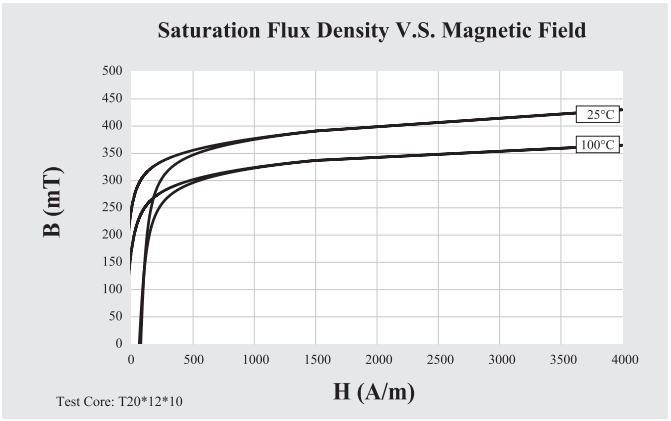


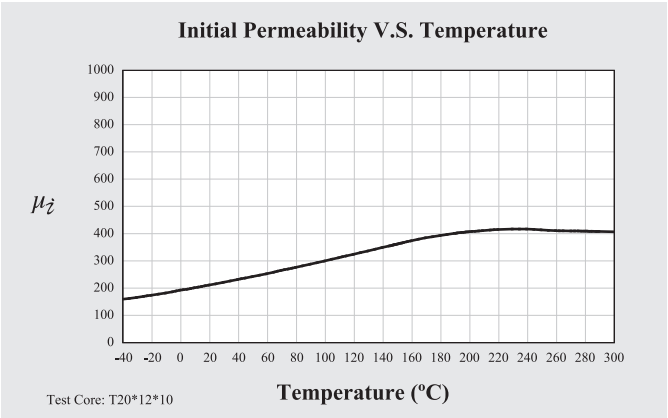
Test Core: T20*12*10

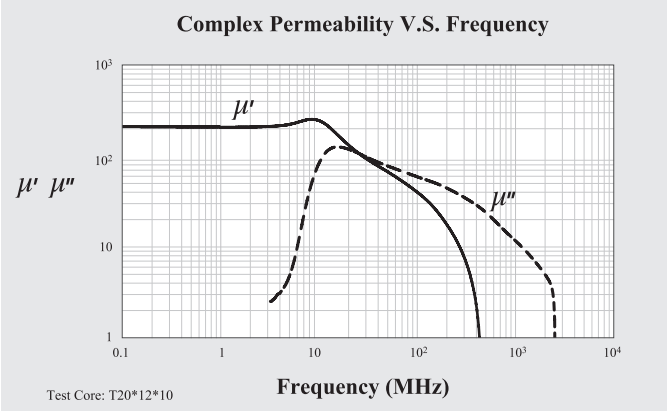
	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H5M
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	230 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	50
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	430
					100°C	365
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	250
					100°C	180
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	75
					100°C	60
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	30
Curie Temperature	Tc	°C				≥ 280
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



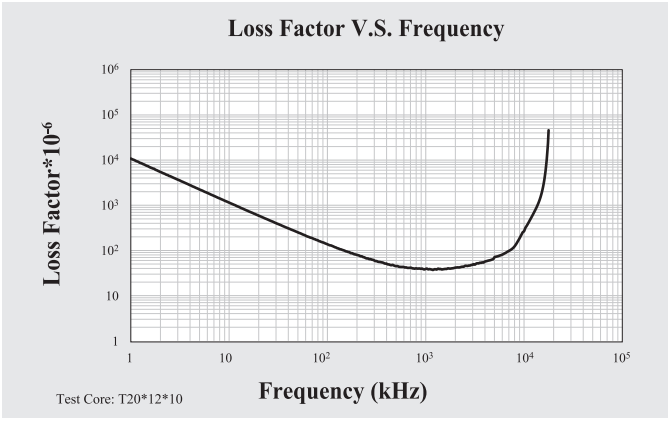


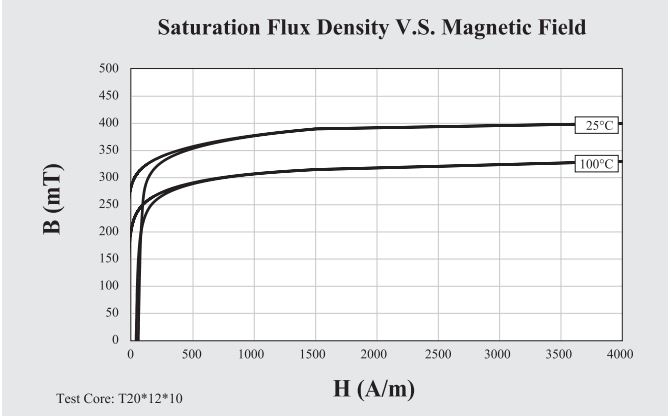


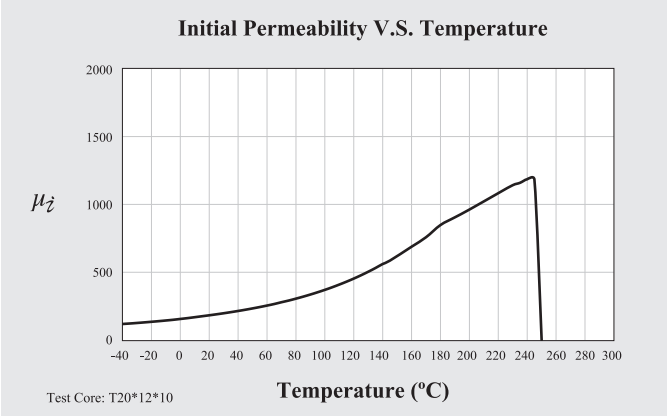


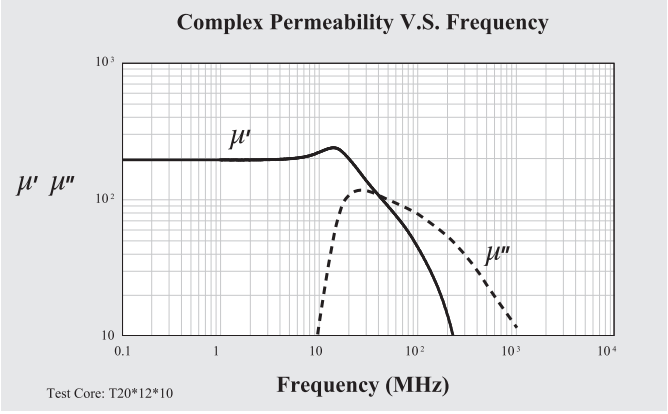
	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H5R
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	200 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	40
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	400
					100°C	330
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	290
					100°C	210
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	55
					100°C	35
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	25
Curie Temperature	Tc	°C				≥ 240
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





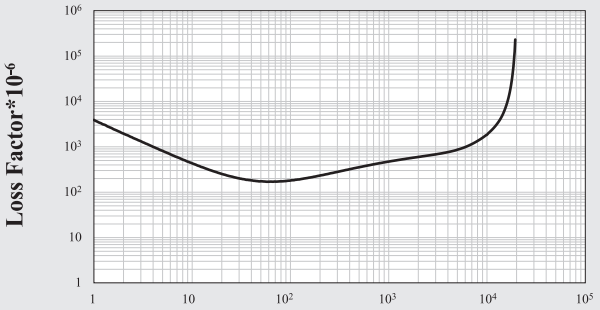




	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H5N
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	300 ± 25%
Relative Loss Factor	tanδ/μ_i	10^{-6}	1MHz		25°C	475
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	390
					100°C	310
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	260
					100°C	185
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	155
					100°C	125
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	≤ 5
Curie Temperature	Tc	°C				≥ 200
Resistivity	ρ	Ωm				10^6
Density	d	g/cm³				5.00

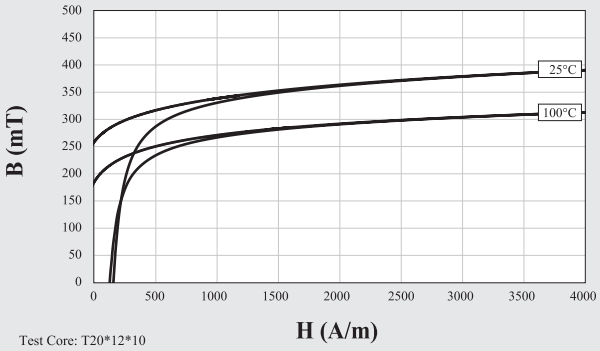
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



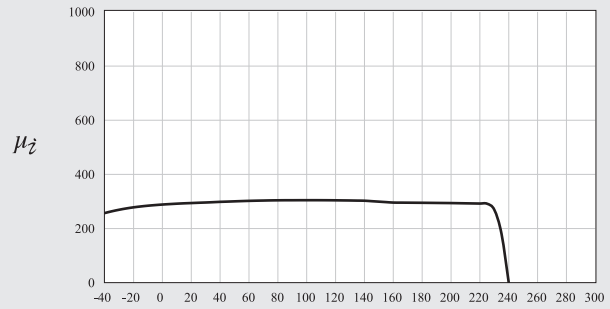
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



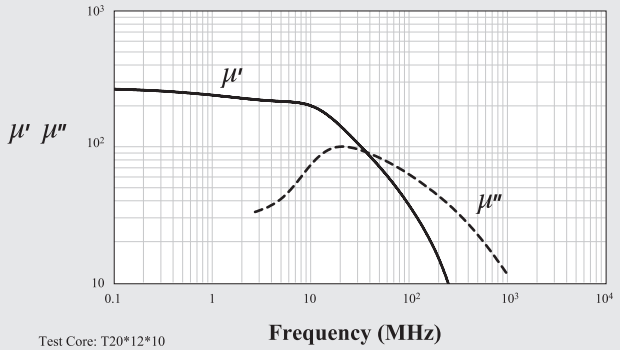
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

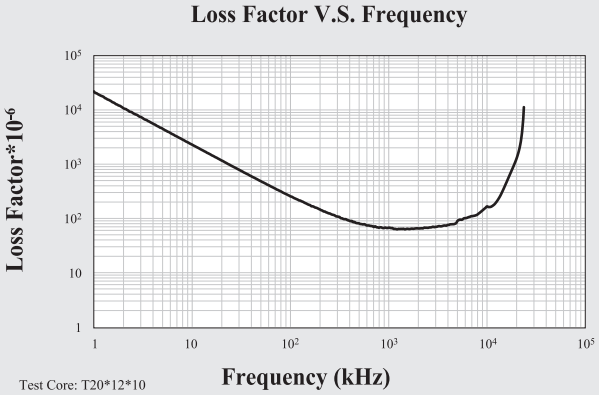
Complex Permeability V.S. Frequency

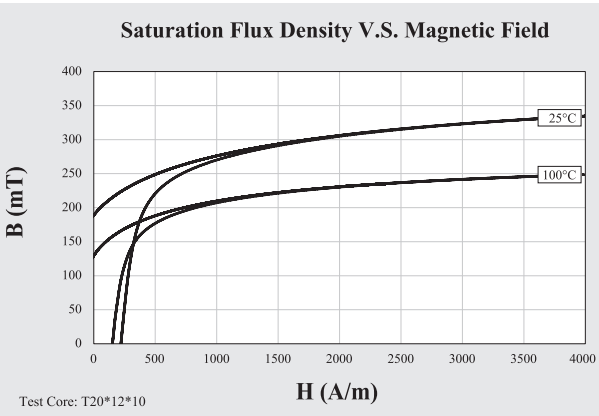


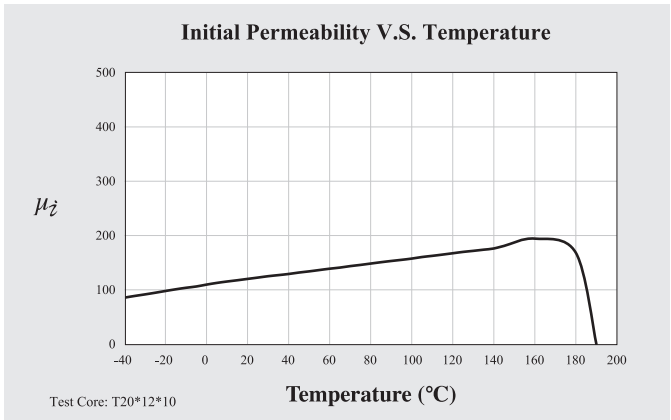
Test Core: T20*12*10

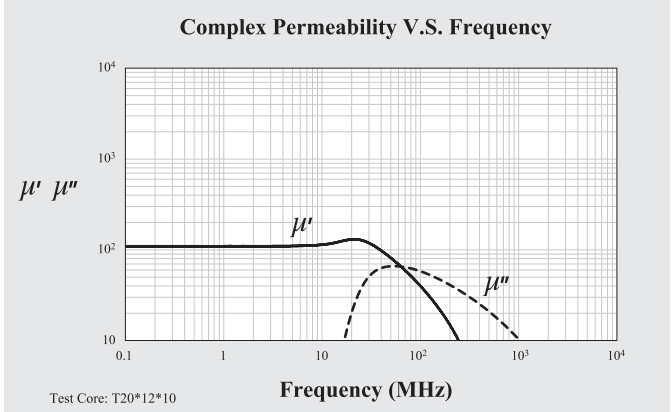
	Symbol	Unit	Measuring Conditions			Wide Temperature RFID Material
			Freq.	Flux den.	Temp.	F10
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	100 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	185
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	220
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz	< 0.25mT	25°C	55
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25mT	20 ~ 80°C	≤ 35
Curie Temperature	Tc	°C				≥ 170
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



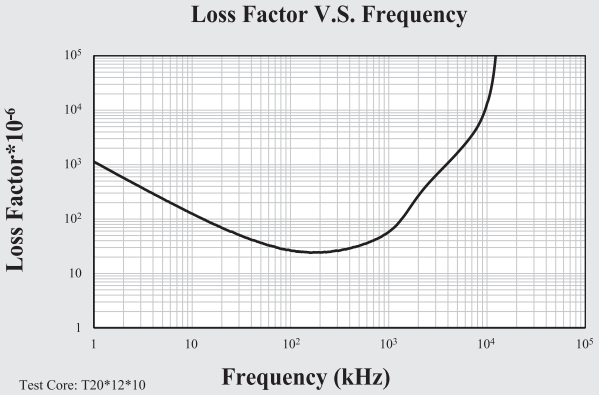


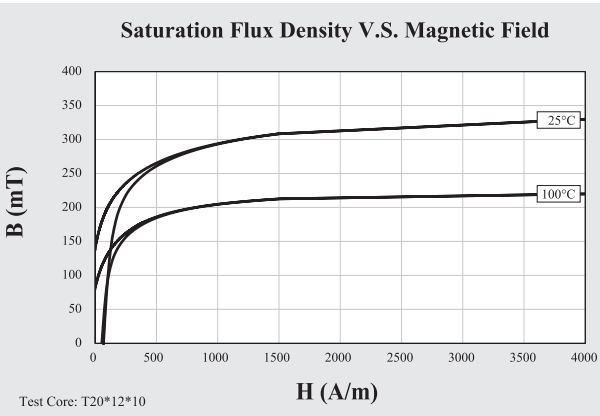


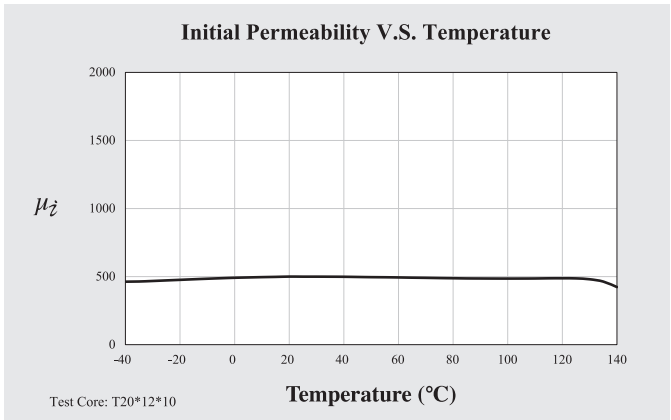


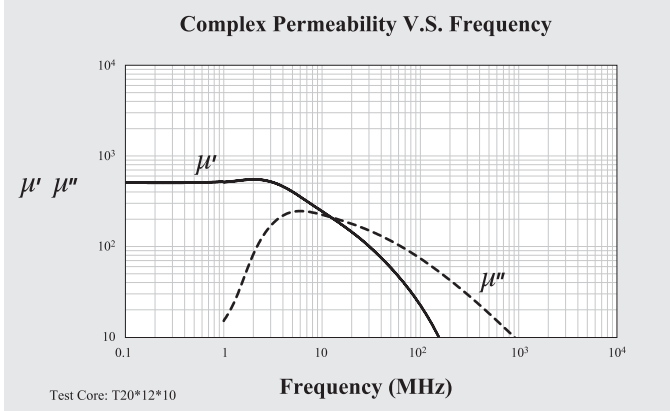
	Symbol	Unit	Measuring Conditions			Wide Temperature RFID Material
			Freq.	Flux den.	Temp.	F52
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	500 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	330
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	150
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	70
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	20
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25mT	20 ~ 60°C	1 ~ 2
Curie Temperature	Tc	°C				≥ 140
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.



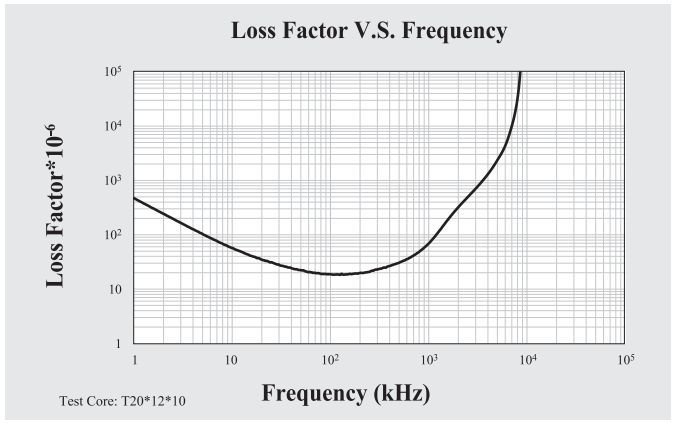


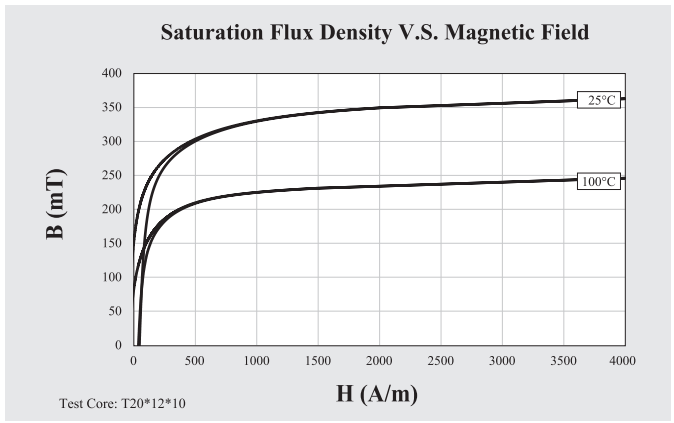


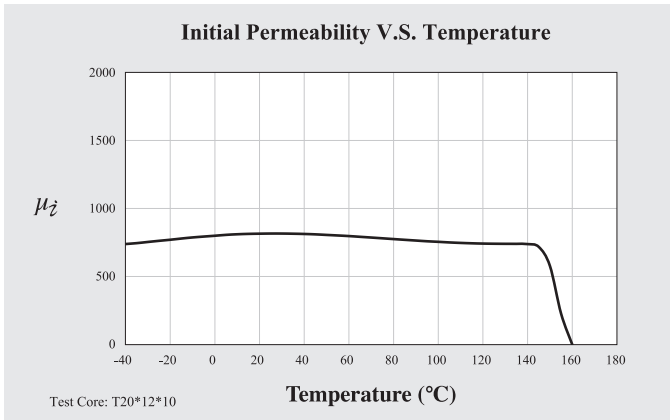


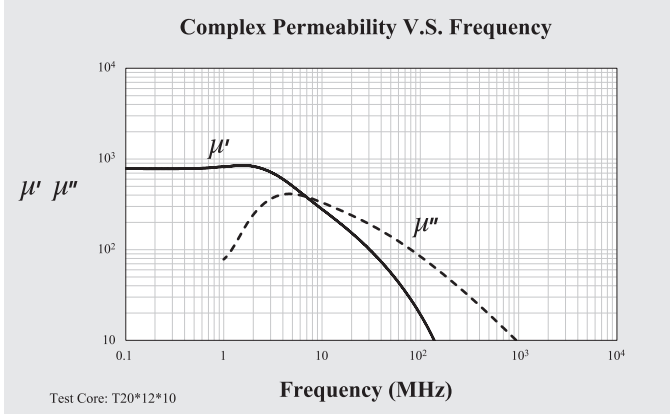
	Symbol	Unit	Measuring Conditions			Wide Temperature RFID Material
			Freq.	Flux den.	Temp.	F80
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	800 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	360
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	155
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	45
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	20
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25mT	20 ~ 60°C	-1 ~ 1
Curie Temperature	Tc	°C				≥ 150
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.





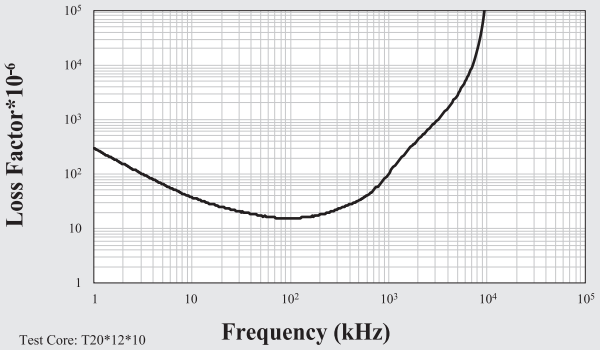




	Symbol	Unit	Measuring Conditions			Wide Temperature RFID Material
			Freq.	Flux den.	Temp.	F100
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	1000 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	335
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	140
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	33
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	0.1MHz	< 0.25mT	25°C	16
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25mT	20 ~ 60°C	-1 ~ 1
Curie Temperature	Tc	°C				≥ 130
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

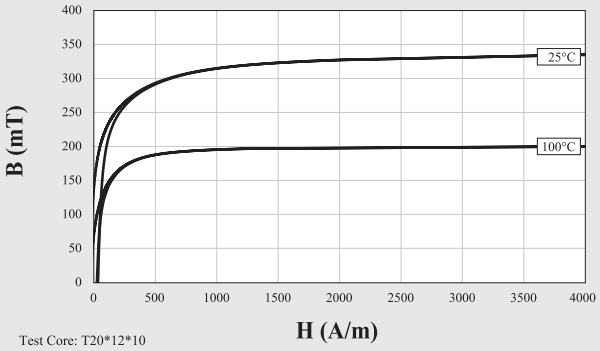
Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

Loss Factor V.S. Frequency



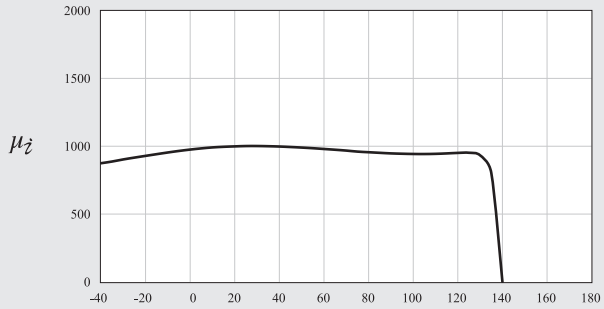
Test Core: T20*12*10

Saturation Flux Density V.S. Magnetic Field



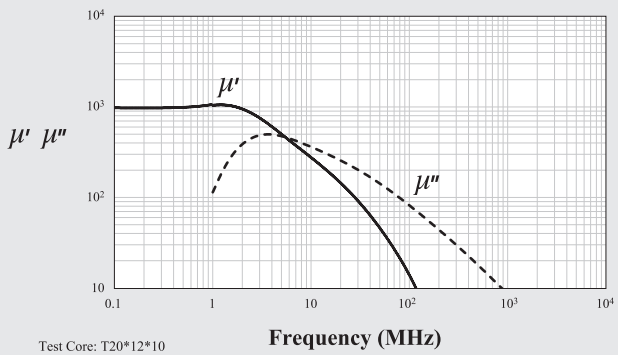
Test Core: T20*12*10

Initial Permeability V.S. Temperature



Test Core: T20*12*10

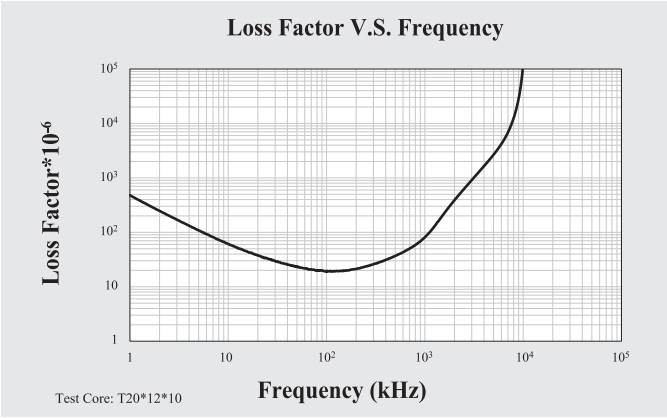
Complex Permeability V.S. Frequency

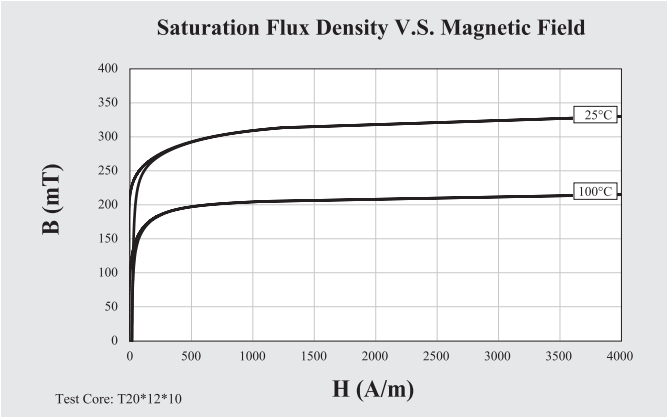


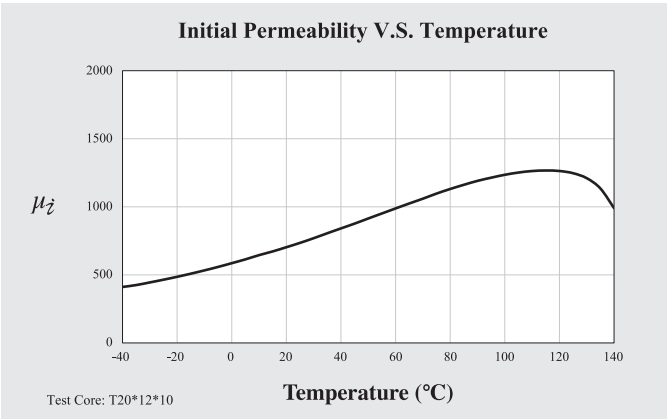
Test Core: T20*12*10

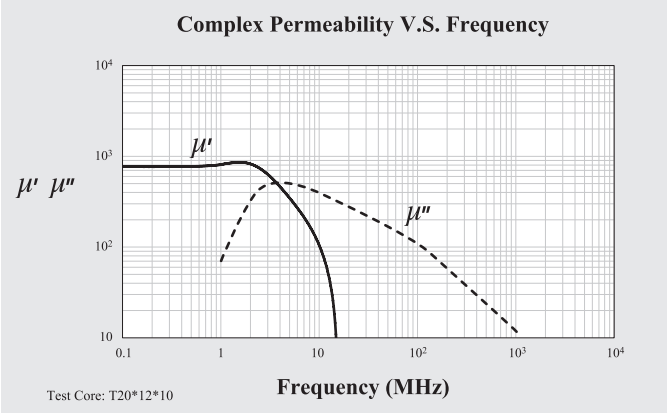
	Symbol	Unit	Measuring Conditions			EMI-Filter Material
			Freq.	Flux den.	Temp.	M80
Initial Permeability	μ_i		≤ 10kHz	0.25mT	25°C	800 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	315
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	215
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	17
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	100kHz	< 0.25mT	25°C	19
Temperature Factor of Permeability	α_F	10^{-6}/°C	10kHz	< 0.25 mT	20 ~ 60°C	10
Curie Temperature	Tc	°C				≥ 140
Resistivity	ρ	Ωm				> 10^6
Density	d	g/cm³				5.10

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.









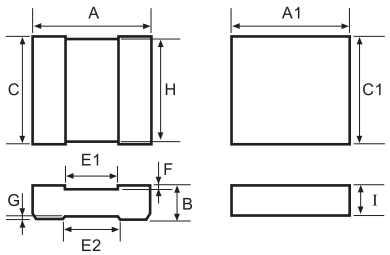
Type : CI Cores (Power Inductor)

Ordering Code: P47 CI4.4/4.0/1.35/0.9

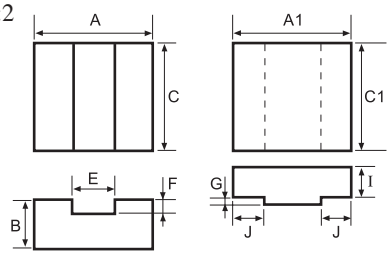
Material 材質 | Core Size 品名

Shape:

Type:1



Type:2



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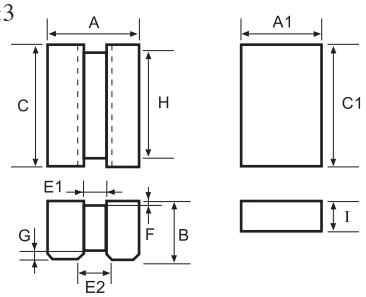

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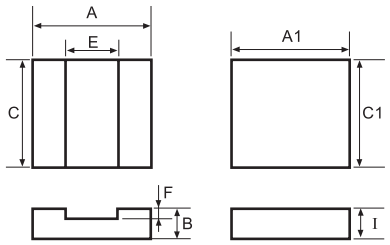
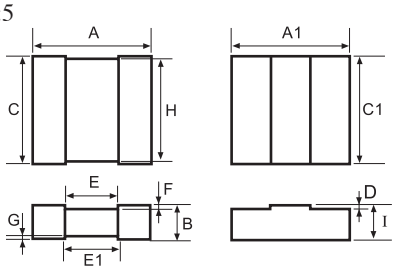
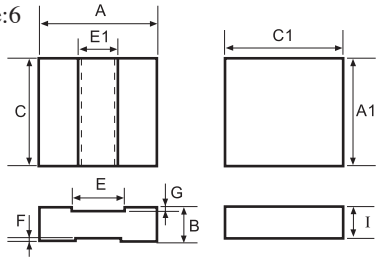


Type:5



Type:6



■ DIMENSIONS

CORES	DIMENSIONS (mm)						
	A	B	C	D	E	E1	E2
CI4.4/4.0/1.35/0.9	4.40 ± 0.15	1.30 ± 0.10	4.00 ± 0.15	–	1.80 ± 0.15	–	–
CI5.6/5.65/2.9/2.0	5.60 ± 0.15	2.90 ± 0.10	5.65 ± 0.15	0.15 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	–
CI6.0/3.6/1.2/0.95	6.00 ± 0.20	1.20 ± 0.10	3.60 ± 0.20	–	3.63 ± 0.20	–	–
CI6.35/6.35	6.35 ± 0.13	2.40 ± 0.10	6.35 ± 0.13	–	3.05ref	–	–
CI6.35/6.35A	6.35 ± 0.10	1.45 ± 0.10	6.35 ± 0.10	–	3.20 ± 0.10	–	–
CI6.6/6.1	6.61 ± 0.15	2.74 ± 0.10	6.10 ± 0.15	–	–	2.60 ± 0.10	3.25ref
CI6.6/6.8/2.65/2	6.60 ± 0.20	2.65 ± 0.10	6.80 ± 0.20	–	–	2.70 ± 0.15	2.80 ± 0.15
CI6.6/9.1	6.61 ± 0.15	2.74 ± 0.10	9.07 ± 0.15	–	–	2.60 ± 0.10	3.25ref
CI6.6/9.1A	6.61 ± 0.15	4.00 ± 0.20	9.07 ± 0.15	–	–	2.60 ± 0.10	3.25 ± 0.10
CI6.6A/6.1/2.55/1.8	6.61 ± 0.15	2.55 ± 0.10	6.10 ± 0.15	–	3.15 ± 0.15	2.60 ± 0.15	–
CI6.6B/6.0/2.25/2.24	6.60 ± 0.15	2.55 ± 0.10	6.00 ± 0.15	–	–	–	–
CI6.6D/9.1/2.25/2.24	6.60 ± 0.15	2.55 ± 0.10	9.10 ± 0.15	–	–	–	–
CI6.6F/6.8/2.65/2.1	6.60 ± 0.15	2.65 ± 0.10	6.80 ± 0.20	–	–	2.70 ± 0.10	2.90 ± 0.10
CI6.7/6.7/3.6/3	6.70 ± 0.15	3.60 ± 0.10	6.70 ± 0.15	–	–	2.20 ± 0.10	2.50 ± 0.20
CI6.8B/6.8/2.45/1.9	6.80 ± 0.15	2.45 ± 0.10	6.80 ± 0.15	–	2.50 ± 0.15	–	–
CI6.85A/9.2/2.2/1.65	6.85 ± 0.15	2.20 ± 0.10	9.20 ± 0.10	–	2.55 ± 0.15	–	–

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
CI4.4/4.0/1.35/0.9	1.89	7.70	4.07	31.32	0.18
CI5.6/5.65/2.9/2.0	1.00	11.37	11.33	128.84	0.67
CI6.0/3.6/1.2/0.95	3.11	11.07	3.56	39.37	0.20
CI6.35/6.35	1.01	12.69	12.60	159.89	0.81
CI6.35/6.35A	1.51	11.20	7.40	82.88	0.48
CI6.6/6.1	1.03	12.33	11.96	147.54	0.83
CI6.6/6.8/2.65/2	0.96	12.90	13.48	173.89	0.91
CI6.6/9.1	0.67	12.23	18.19	222.46	1.26
CI6.6/9.1A	0.63	14.06	22.20	312.13	1.26
CI6.6A/6.1/2.55/1.8	1.04	12.38	11.88	147.10	0.84
CI6.6B/6.0/2.25/2.24	1.01	12.36	12.20	150.83	0.79
CI6.6D/9.1/2.25/2.24	0.67	12.36	18.51	228.76	1.19
CI6.6F/6.8/2.65/2.1	0.94	13.02	13.81	179.79	0.94
CI6.7/6.7/3.6/3	0.78	13.87	17.69	245.38	1.32
CI6.8B/6.8/2.45/1.9	0.88	12.21	13.92	169.98	0.95
CI6.85A/9.2/2.2/1.65	0.73	12.08	16.48	199.11	1.20

■ DIMENSIONS

CORES	DIMENSIONS (mm)							Type
	F	G	H	J	A1	C1	I	
CI4.4/4.0/1.35/0.9	0.35 ± 0.08	–	–	–	4.40 ± 0.15	4.00 ± 0.15	0.90 ± 0.05	4
CI5.6/5.65/2.9/2.0	0.60 ± 0.10	0.15 ± 0.10	4.95 ± 0.15	–	5.60 ± 0.15	5.65 ± 0.15	2.00 ± 0.05	5
CI6.0/3.6/1.2/0.95	0.25 ± 0.08	–	–	–	6.00 ± 0.20	3.60 ± 0.20	0.95 ± 0.05	4
CI6.35/6.35	0.35 ± 0.10	0.22 ± 0.05	–	1.40 ± 0.10	6.35 ± 0.13	6.35 ± 0.13	2.27 ± 0.10	2
CI6.35/6.35A	$0.40^{+0.10}_{-0.07}$	0.25 ± 0.05	–	1.60 ± 0.10	6.35 ± 0.10	6.35 ± 0.10	1.10 ± 0.10	2
CI6.6/6.1	0.51 ± 0.10	0.25 ± 0.10	–	–	6.71 ± 0.15	6.20 ± 0.15	1.86 ± 0.10	1
CI6.6/6.8/2.65/2	0.50 ± 0.10	0.15 ± 0.10	6.15 ± 0.20	–	6.60 ± 0.20	6.80 ± 0.20	2.00 ± 0.10	1
CI6.6/9.1	0.51 ± 0.10	0.25 ± 0.10	–	–	6.71 ± 0.15	9.15 ± 0.15	1.86 ± 0.10	1
CI6.6/9.1A	$0.61^{+0.10}_{-0.07}$	0.25 ± 0.10	–	–	6.71 ± 0.15	9.15 ± 0.15	2.50 ± 0.20	1
CI6.6A/6.1/2.55/1.8	0.51 ± 0.10	0.25 ± 0.10	–	–	6.71 ± 0.15	6.20 ± 0.15	1.80 ± 0.10	6
CI6.6B/6.0/2.25/2.24	0.40 ± 0.10	0.24 ± 0.10	–	–	6.60 ± 0.15	6.00 ± 0.15	2.24 ± 0.10	7
CI6.6D/9.1/2.25/2.24	0.40 ± 0.10	0.24 ± 0.10	–	–	6.60 ± 0.15	9.10 ± 0.15	2.24 ± 0.10	7
CI6.6F/6.8/2.65/2.1	0.50 ± 0.10	0.20 ± 0.10	6.20 ± 0.20	–	6.60 ± 0.20	6.80 ± 0.20	2.10 ± 0.10	8
CI6.7/6.7/3.6/3	0.70 ± 0.10	0.35 ± 0.10	5.80 ± 0.15	–	6.70 ± 0.15	6.70 ± 0.15	3.00 ± 0.05	1
CI6.8B/6.8/2.45/1.9	0.35 ± 0.10	0.10 ± 0.10	6.00 ± 0.15	–	6.80 ± 0.15	6.80 ± 0.15	1.90± 0.05	9
CI6.85A/9.2/2.2/1.65	0.55 ± 0.10	–	–	–	6.85 ± 0.15	9.20 ± 0.20	1.65 ± 0.05	4

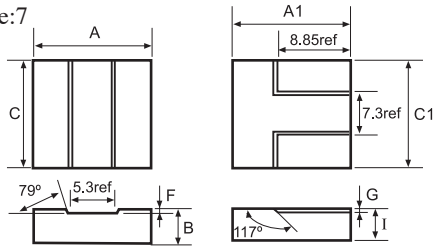
Remark: Customized dimensions are available.

Type : CI Cores (Power Inductor)

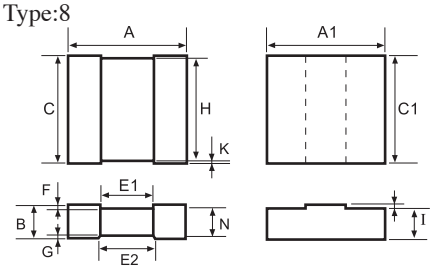
Ordering Code: P47 — Material 材質 ; CI7.0/9.8/4.5/2.2 — Core Size 品名

Shape:

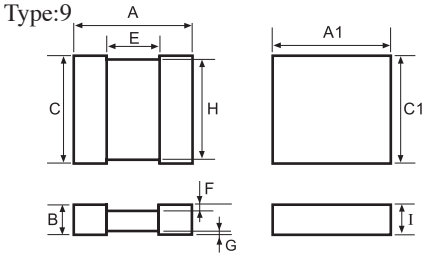
Type:7



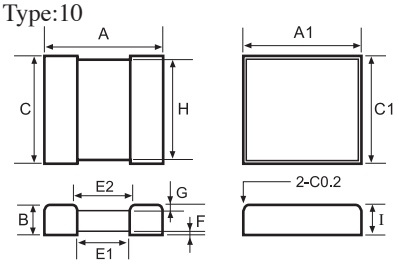
Type:8



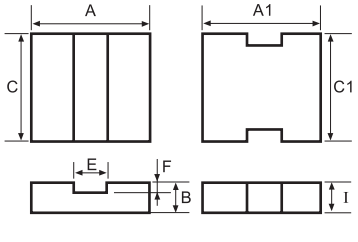
Type:9



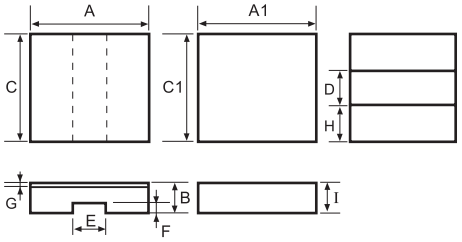
Type:10



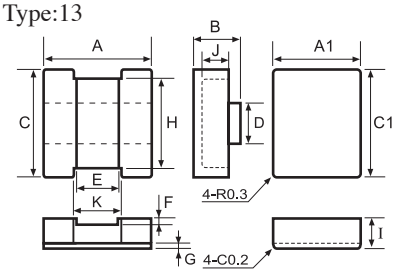
Type:11



Type:12



Type:13



■ DIMENSIONS

CORES	DIMENSIONS (mm)						
	A	B	C	D	E	E1	E2
CI7.0/9.8/4.5/2.2	7.00 ± 0.15	4.50 ± 0.10	9.80 ± 0.15	–	–	1.90 ± 0.10	2.70ref
CI7.0/9.9/3.6/2.95	7.00 ± 0.15	3.60 ± 0.15	9.90 ± 0.15	–	–	2.50 ± 0.10	3.00 ± 0.10
CI7.0B/3.6/1.35/0.95	7.00 ± 0.20	1.35 ± 0.10	3.60 ± 0.20	–	5.00 ± 0.20	–	–
CI7.1B/9.95/4.2/2.4	$7.10^{+0.10}_{-0.16}$	4.20 ± 0.10	9.95 ± 0.15	–	–	1.90 ± 0.10	2.50ref
CI7.2A/10.2/4.75/3.75	7.20 ± 0.15	4.75 ± 0.10	10.20 ± 0.20	–	1.08 ± 0.15	–	–
CI7.5/13.3/2.05/1.45	7.50 ± 0.15	2.05 ± 0.10	13.30 ± 0.20	–	4.30 ± 0.15	–	–
CI7.5A/9.0/3.8/3.2	7.50 ± 0.15	3.80 ± 0.10	9.00 ± 0.15	–	–	–	–
CI7.5B/9.5/3.0/3.0	7.50 ± 0.15	3.00 ± 0.10	9.50 ± 0.15	–	–	–	–
CI7.7R/9.8/4.85/2.7	7.70 ± 0.15	4.85 ± 0.10	9.80 ± 0.15	3.80 ± 0.10	2.40 ± 0.10	–	–
CI8.7/9.4/5.3/4.3	8.70 ± 0.15	5.30 ± 0.10	9.40 ± 0.15	–	1.00 ± 0.10	–	–
CI8.7F/10.5/3.75/3	8.70 ± 0.15	3.75 ± 0.10	10.50 ± 0.15	–	2.00 ± 0.10	–	–
CI9.6/11.7/2.9/2.5	9.60 ± 0.15	2.90 ± 0.05	11.70 ± 0.20	–	4.20 ± 0.15	–	–
CI9.9/10.52/4.57/3.81	9.90 ± 0.20	4.57 ± 0.10	10.52 ± 0.20	–	–	2.35 ± 0.10	3.18 ± 0.15
CI10/10/5.2/3.6	10.00 ± 0.15	5.20 ± 0.15	10.00 ± 0.15	6.40 ± 0.15	2.30 ± 0.10	–	–
CI10.52/10.52	10.52 ± 0.20	4.57 ± 0.10	10.52 ± 0.20	–	–	2.35 ± 0.10	3.18 ± 0.10
CI10.7/9.7	10.70 ± 0.20	4.70 ± 0.10	9.70 ± 0.20	–	–	2.50 ± 0.10	2.50 ± 0.10
CI12.68/12.68	12.68 ± 0.15	4.20 ± 0.10	12.68 ± 0.15	–	–	5.69 ± 0.15	6.35ref
CI12.7/13/4.57/3.81	12.70 ± 0.20	4.57 ± 0.10	13.00 ± 0.20	–	–	3.10 ± 0.10	3.98 ± 0.20
CI12.7D/12.7/3.6/3.7	12.70 ± 0.15	3.60 ± 0.10	12.70 ± 0.15	–	–	–	–
CI13/12.5/5.2/3.6	13.00 ± 0.15	5.20 ± 0.15	12.50 ± 0.15	9.30 ± 0.15	3.20 ± 0.10	–	–

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
CI7.0/9.8/4.5/2.2	0.53	13.64	25.98	354.34	2.07
CI7.0/9.9/3.6/2.95	0.53	14.18	26.99	382.83	2.09
CI7.0B/3.6/1.35/0.95	3.92	13.79	3.52	48.57	0.25
CI7.1B/9.95/4.2/2.4	0.56	14.75	26.12	385.48	2.17
CI7.2A/10.2/4.75/3.75	0.43	14.91	34.34	512.16	3.03
CI7.5/13.3/2.05/1.45	0.65	14.10	21.80	307.51	1.51
CI7.5A/9.0/3.8/3.2	0.58	15.09	26.05	393.24	2.21
CI7.5B/9.5/3.0/3.0	0.54	13.99	25.72	359.89	2.04
CI7.7R/9.8/4.85/2.7	0.47	14.41	30.62	441.23	2.38
CI8.7/9.4/5.3/4.3	0.44	16.79	38.25	642.19	3.80
CI8.7F/10.5/3.75/3	0.46	15.40	33.12	510.05	2.88
CI9.6/11.7/2.9/2.5	0.57	17.24	30.30	522.43	2.80
CI9.9/10.52/4.57/3.81	0.47	18.40	38.78	713.55	4.03
CI10/10/5.2/3.6	0.54	19.72	36.57	721.16	3.87
CI10.52/10.52	0.54	21.74	40.00	869.60	4.40
CI10.7/9.7	0.51	19.26	37.90	729.95	4.11
CI12.68/12.68	0.61	23.84	43.19	1029.64	5.38
CI12.7/13/4.57/3.81	0.40	21.52	53.48	1150.89	6.43
CI12.7D/12.7/3.6/3.7	0.51	22.62	44.68	1010.76	5.18
CI13/12.5/5.2/3.6	0.45	22.82	50.59	1154.46	6.53

■ DIMENSIONS

CORES	DIMENSIONS (mm)								Type
	F	G	H	J	K	A1	C1	I	
CI7.0/9.8/4.5/2.2	0.80 ± 0.07	0.65 ± 0.07	9.00 ± 0.15	–	–	7.00 ± 0.15	9.80 ± 0.15	2.20 ± 0.10	3
CI7.0/9.9/3.6/2.95	0.50 ± 0.10	0.15 ± 0.08	–	–	–	7.00 ± 0.15	10.00 ± 0.15	2.95 ± 0.10	1
CI7.0B/3.6/1.35/0.95	0.35 ± 0.10	–	–	–	–	7.00 ± 0.20	3.60 ± 0.20	0.95 ± 0.05	4
CI7.1B/9.95/4.2/2.4	0.85 ± 0.07	0.35 ± 0.07	8.80 ± 0.15	–	–	7.15 ± 0.13	10.00 ± 0.13	2.40 ± 0.10	10
CI7.2A/10.2/4.75/3.75	1.08 ± 0.10	–	–	–	–	7.20 ± 0.15	10.20 ± 0.15	3.75 ± 0.05	11
CI7.5/13.3/2.05/1.45	0.37 ± 0.10	0.20 ± 0.10	12.70 ± 0.12	–	–	7.50 ± 0.15	13.30 ± 0.20	1.45 ± 0.05	9
CI7.5A/9.0/3.8/3.2	0.70 ± 0.10	0.40 ± 0.10	–	–	–	7.50 ± 0.15	9.00 ± 0.15	3.20 ± 0.10	7
CI7.5B/9.5/3.0/3.0	0.40 ± 0.10	0.20 ± 0.10	–	–	–	7.50 ± 0.15	9.50 ± 0.15	3.00 ± 0.10	7
CI7.7R/9.8/4.85/2.7	1.00 ± 0.10	0.75 ± 0.08	8.20 ± 0.15	3.10 ± 0.10	2.70 ± 0.10	7.70 ± 0.15	9.80 ± 0.15	2.70 ± 0.10	13
CI8.7/9.4/5.3/4.3	1.00 ± 0.10	–	–	–	–	8.70 ± 0.15	9.40 ± 0.15	4.30 ± 0.05	11
CI8.7F/10.5/3.75/3	0.70 ± 0.10	–	–	–	–	8.70 ± 0.15	10.50 ± 0.15	3.00 ± 0.10	4
CI9.6/11.7/2.9/2.5	0.30 ± 0.10	0.10 ± 0.08	11.00 ± 0.20	–	–	9.60 ± 0.15	11.70 ± 0.20	2.50 ± 0.05	9
CI9.9/10.52/4.57/3.81	0.70 ± 0.10	0.25 ± 0.10	10.00 ± 0.15	–	–	9.90 ± 0.20	10.52 ± 0.20	3.81 ± 0.05	1
CI10/10/5.2/3.6	1.15 ± 0.10	0.65 ± 0.10	1.80 ± 0.15	–	–	10.00 ± 0.15	10.00 ± 0.15	3.60 ± 0.10	12
CI10.52/10.52	0.55 ± 0.05	0.25 ± 0.05	–	–	–	10.82 ± 0.20	10.82 ± 0.20	3.81 ± 0.05	1
CI10.7/9.7	$0.70^{+0.10}_{-0.07}$	0.25 ± 0.05	–	–	–	10.75 ± 0.20	9.75 ± 0.20	3.80 ± 0.10	1
CI12.68/12.68	0.69 ± 0.10	0.15 ± 0.10	12.29 ± 0.15	–	–	12.68 ± 0.15	12.68 ± 0.15	3.38± 0.08	1
CI12.7/13/4.57/3.81	0.65 ± 0.10	0.25 ± 0.10	12.50 ± 0.20	–	–	12.70 ± 0.20	13.00 ± 0.20	3.81 ± 0.10	1
CI12.7D/12.7/3.6/3.7	0.40 ± 0.10	0.20 ± 0.10	–	–	–	12.70 ± 0.15	12.70 ± 0.15	3.70 ± 0.10	7
CI13/12.5/5.2/3.6	1.20 ± 0.10	0.50 ± 0.10	1.60 ± 0.15	–	–	13.00 ± 0.15	12.5 ± 0.15	3.60 ± 0.10	12

Remark: Customized dimensions are available.

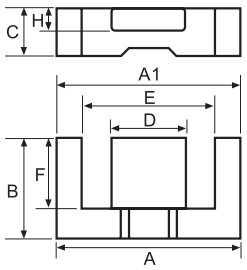
Type : EFD Cores (1)

Ordering Code:

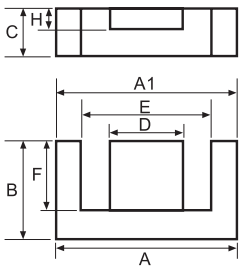
P4	EFD6.2	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

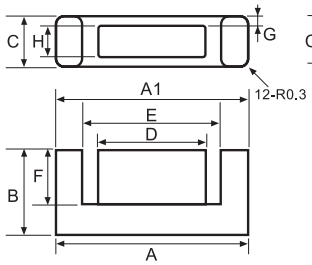
Type:1



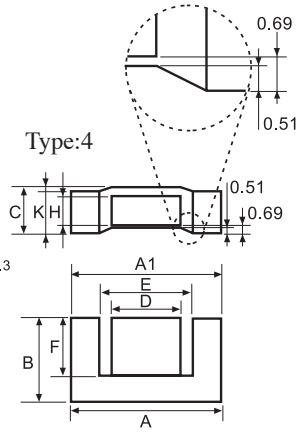
Type:2



Type:3



Type:4



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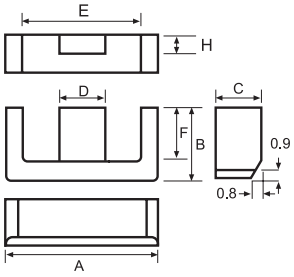
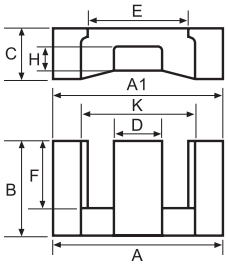


Type:6



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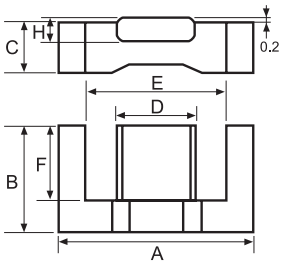


■ DIMENSIONS

CORES	DIMENSIONS (mm)										Type
	A	B	C	D	E	F	G	H	K	|A-A1|	
EFD6.2	6.25 ± 0.15	3.15 ± 0.10	2.50 ± 0.10	2.50 ± 0.10	4.85 ± 0.15	2.30 ± 0.10	–	1.25 ± 0.10	–	≤ 0.15	2
EFD6.4	6.40 ± 0.15	3.70 ± 0.10	2.90 ± 0.10	2.35 ± 0.10	5.30 ± 0.15	2.90 ± 0.10	–	1.40 ± 0.10	–	–	2
EFD6.5	6.50 ± 0.15	3.65 ± 0.10	3.00 ± 0.10	2.50 ± 0.10	5.20 ± 0.15	2.85 ± 0.10	–	1.70 ± 0.10	–	–	2
EFD6.5-1	6.55 ± 0.15	3.65 ± 0.10	3.00 ± 0.10	2.50 ± 0.10	5.25 ± 0.15	2.85 ± 0.10	–	1.70 ± 0.10	–	≤ 0.15	2
EFD7.5	7.50 ± 0.30	4.05 ± 0.15	2.30 ± 0.15	2.50 ± 0.15	5.70 ± 0.20	2.75 ± 0.15	–	1.15 ± 0.15	–	–	5
EFD8.0	8.00 ± 0.15	3.70 ± 0.10	1.90 ± 0.10	3.40 ± 0.10	5.90 min	2.30 ± 0.10	–	0.90 ± 0.10	–	≤ 0.15	2
EFD9.2A	9.20 ± 0.20	4.50 ± 0.10	1.90 ± 0.10	5.10 ± 0.15	6.60 ± 0.15	3.10 ± 0.10	0.50 ± 0.10	0.90 ± 0.10	–	–	3
EFD9.5	9.60 ± 0.15	4.60 ± 0.10	2.20 ± 0.10	4.00 ± 0.10	7.35 ± 0.15	3.00 ± 0.10	–	1.15 ± 0.10	–	≤ 0.13	1
EFD9.7A	9.70 ± 0.15	4.30 ± 0.10	3.00 ± 0.10	4.00 ± 0.10	7.70 ± 0.15	3.10 ± 0.10	–	1.50 ± 0.07	–	≤ 0.13	2
EFD9.8	9.80 ± 0.15	9.80 ± 0.10	2.50 ± 0.10	4.50 ± 0.10	7.40 ± 0.15	7.80 ± 0.10	–	1.31 ± 0.10	–	≤ 0.15	2
EFD10.7	10.70 ± 0.20	6.50 ± 0.10	3.50 ± 0.15	3.20 ± 0.10	8.30 ± 0.15	5.15 ± 0.10	–	1.50 ± 0.10	–	–	2
EFD11.2A	$11.20^{+0.20}_{-0.25}$	5.70 ± 0.12	2.70 ± 0.20	$4.90^{+0.10}_{-0.15}$	8.70 ± 0.20	3.95 ± 0.10	–	$1.40^{+0.10}_{-0.15}$	–	–	2
EFD11.3	11.30 ± 0.20	6.70 ± 0.20	3.50 ± 0.15	3.20 ± 0.15	8.50 min	5.20 ± 0.10	–	1.50 ± 0.10	–	–	2
EFD11.7/13.6	11.75 ± 0.15	13.60 ± 0.15	2.38 ± 0.15	5.00 ± 0.10	8.65 ± 0.15	11.60 ± 0.10	–	1.50 ± 0.10	–	≤ 0.20	2
EFD12.2A	12.20 ± 0.25	7.60 ± 0.20	3.50 ± 0.15	3.30 ± 0.15	9.80 ± 0.25	6.35 ± 0.15	–	2.00 ± 0.15	–	≤ 0.25	2
EFD12A/3.5	12.00 ± 0.20	7.70 ± 0.15	3.50 ± 0.15	3.20 ± 0.10	9.35 min	6.30 ± 0.15	–	1.50 ± 0.10	–	≤ 0.15	2
EFD12.4B	$12.40^{+0.30}_{-0.20}$	6.05 ± 0.20	4.00 ± 0.10	5.15 ± 0.15	9.70 min	4.60 ± 0.15	–	2.20 ± 0.10	–	–	2
EFD12.45	12.45 ± 0.25	6.20 ± 0.15	3.90 ± 0.08	5.80 ± 0.12	7.75 ± 0.15	4.05 ± 0.10	–	2.55 ± 0.05	3.50 ± 0.06	–	4
EFD12.5A	12.50 ± 0.30	6.20 ± 0.10	3.50 ± 0.10	5.40 ± 0.15	9.00 min	4.55 ± 0.15	–	2.00 ± 0.20	–	–	7
EFD12.7	12.75 ± 0.25	6.85 ± 0.15	3.30 ± 0.15	6.00 ± 0.10	9.35 ± 0.15	4.55 ± 0.15	–	1.85 ± 0.10	–	≤ 0.20	2
EFD12.7A	12.70 ± 0.20	10.60 ± 0.15	5.40 ± 0.15	$4.50^{+0.10}_{-0.15}$	$8.90^{+0.20}_{-0.10}$	8.20 ± 0.15	–	3.50 ± 0.10	–	≤ 0.15	2
EFD13	13.20 ± 0.35	6.85 ± 0.15	2.85 ± 0.15	5.25 ± 0.15	$9.60^{+0.15}_{-0.25}$	4.80 ± 0.15	–	1.40 ± 0.10	–	≤ 0.30	1
EFD13D	13.00 ± 0.30	6.40 ± 0.20	4.00 ± 0.20	5.30 ± 0.20	10.00 min	4.85 ± 0.20	–	2.15 ± 0.15	–	–	2
EFD13.3	13.35 ± 0.25	5.65 ± 0.15	3.80 ± 0.15	6.65 ± 0.15	10.00 ± 0.20	3.80 ± 0.20	–	1.65 ± 0.10	10.40 ± 0.20	≤ 0.30	6
EFD13.5A	$13.50^{+0.20}_{-0.15}$	$11.00^{+0.15}_{-0.10}$	4.50 ± 0.10	5.30 ± 0.10	9.80 min	8.55 ± 0.10	–	3.00 ± 0.10	–	≤ 0.20	2
EFD13.5B	$13.50^{+0.20}_{-0.15}$	$11.55^{+0.15}_{-0.10}$	3.80 ± 0.10	5.30 ± 0.10	9.80 min	9.05 ± 0.10	–	2.70 ± 0.10	–	≤ 0.20	2
EFD13.8	14.00 ± 0.35	8.65 ± 0.15	3.35 ± 0.15	5.60 ± 0.15	10.60 ± 0.30	$6.45^{+0.15}_{-0.10}$	–	1.60 ± 0.10	–	≤ 0.20	1

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EFD6.2	4.47	14.26	3.19	45.49	0.27
EFD6.4	5.11	17.05	3.34	56.91	0.30
EFD6.5	4.25	16.77	3.95	66.24	0.38
EFD6.5-1	4.26	16.82	3.95	66.44	0.39
EFD7.5	4.98	17.15	3.44	59.07	0.40
EFD8.0	4.85	15.95	3.29	52.48	0.38
EFD9.2A	4.27	18.80	4.40	82.70	0.52
EFD9.5	4.06	20.10	4.80	97.50	0.56
EFD9.7A	2.71	19.53	7.21	140.76	0.80
EFD9.8	6.54	39.64	6.06	240.22	1.30
EFD10.7	4.87	28.02	5.75	161.12	1.14
EFD11.2A	3.60	25.05	6.96	174.40	0.98
EFD11.3	4.60	28.40	6.18	175.50	0.92
EFD11.7/13.6	7.57	56.28	7.43	418.16	2.10
EFD12.2A	3.94	32.29	8.19	264.46	1.50
EFD12A/3.5	5.47	33.18	6.07	201.38	1.34
EFD12.4B	2.61	27.88	10.68	297.89	1.64
EFD12.45	1.66	25.60	15.40	394.20	2.10
EFD12.5A	2.47	27.46	11.10	304.81	1.50
EFD12.7	2.57	28.68	11.13	319.20	1.80
EFD12.7A	2.42	43.33	17.93	776.91	4.39
EFD13	3.57	29.28	8.18	239.50	1.53
EFD13D	2.69	30.58	11.37	347.70	1.53
EFD13.3	2.15	25.10	11.65	292.42	1.64
EFD13.5A	2.78	45.97	16.54	760.34	4.04
EFD13.5B	3.33	48.03	14.44	693.55	3.62
EFD13.8	3.75	36.98	9.84	363.80	2.04

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)										AL + 40% - 30% (nH/N^2)		
	P4	P41	P45	P451	P452	P47	P48	P61	A05	A07	A10(L)	A121(L)	A151(L)
EFD6.2	390	345											
EFD6.4	400												
EFD6.5	400												
EFD6.5-1	380	370											
EFD7.5													
EFD8.0	360	355	375			370							
EFD9.2A	440												
EFD9.5	460												
EFD9.7A						500							
EFD9.8	300												
EFD10.7										800	1900		
EFD11.2A													
EFD11.3										1000			
EFD11.7/13.6	340												
EFD12.2A										1050			
EFD12A/3.5										767			
EFD12.4B	800												
EFD12.45	1200												
EFD12.5A	750	720				840							
EFD12.7	950					960					4000		
EFD12.7A	940					1000							
EFD13	600					640							
EFD13D						1000							
EFD13.3	900	810	980			950							
EFD13.5A	890												
EFD13.5B	750												
EFD13.8	600												

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

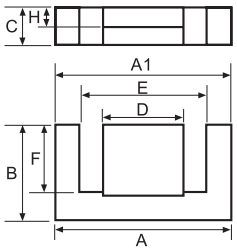
Type : EFD Cores (2)

Ordering Code:

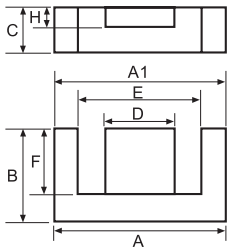
P4	EFD15A	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

Type:1



Type:2



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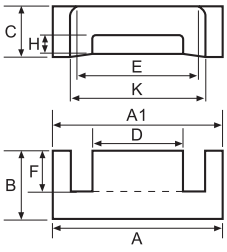
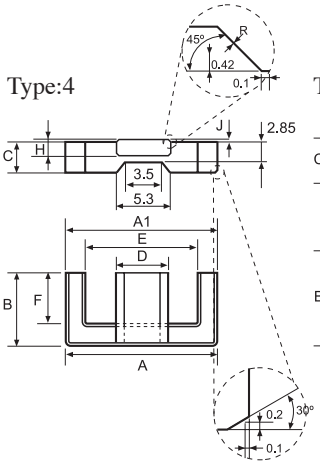


Type:4



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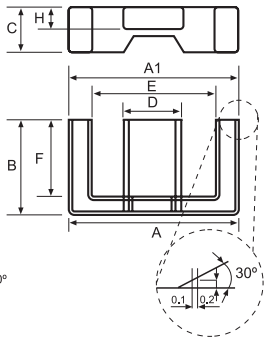
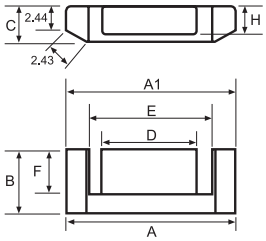
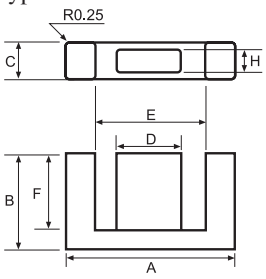


Type:6



Type:7



■ DIMENSIONS

CORES	DIMENSIONS (mm)									Type
	A	B	C	D	E	F	H	K	|A-A1|	
EFD14.6	14.60 ± 0.30	7.30 ± 0.15	6.20 ± 0.15	5.30 ± 0.15	11.00 ± 0.35	5.30 ± 0.25	4.24 ± 0.10	–	≤ 0.20	2
EFD14.7/4.75	14.70 ± 0.30	12.70 ± 0.15	4.75 ± 0.15	6.00 ± 0.15	10.45 ± 0.15	$10.00^{+0.15}_{-0.10}$	3.30 ± 0.10	–	≤ 0.25	2
EFD14.8	14.80 ± 0.60	9.00 ± 0.20	6.80 ± 0.20	5.60 ± 0.20	11.10 ± 0.30	6.15 ± 0.10	4.60 ± 0.20	–	≤ 0.30	2
EFD14.8B	14.80 ± 0.30	10.00 ± 0.15	4.60 ± 0.10	6.00 ± 0.15	11.05 ± 0.15	$7.80^{+0.13}_{-0.12}$	2.70 ± 0.10	–	≤ 0.25	2
EFD15A	15.00 ± 0.40	7.50 ± 0.15	4.65 ± 0.15	5.30 ± 0.15	11.00 ± 0.25	$5.50^{+0.25}_{-0.10}$	2.40 ± 0.10	–	≤ 0.15	4
EFD15C/4.2	$15.00^{+0.25}_{-0.15}$	$14.45^{+0.15}_{-0.10}$	$4.20^{+0.08}_{-0.07}$	5.80 ± 0.07	10.60 ± 0.15	12.15 ± 0.10	2.90 ± 0.07	–	–	2
EFD15D	$15.00^{+0.25}_{-0.15}$	$14.35^{+0.15}_{-0.10}$	$4.00^{+0.08}_{-0.07}$	5.80 ± 0.07	10.60 ± 0.15	12.05 ± 0.10	2.70 ± 0.07	–	≤ 0.15	2
EFD15E	15.00 ± 0.25	14.95 ± 0.15	4.00 ± 0.10	5.80 ± 0.10	10.60 ± 0.15	12.65 ± 0.15	2.70 ± 0.10	–	–	2
EFD15H	15.00 ± 0.40	7.50 ± 0.15	4.50 ± 0.15	5.30 ± 0.15	11.00 ± 0.25	$5.50^{+0.25}_{-0.10}$	2.15 ± 0.10	–	≤ 0.25	5
EFD15Q	15.00 ± 0.25	4.55 ± 0.15	5.00 ± 0.15	6.50 ± 0.20	10.30 ± 0.30	2.75 ± 0.15	2.60 ± 0.15	–	–	7
EFD15.3	15.00 ± 0.30	6.45 ± 0.05	3.70 ± 0.10	7.90 ± 0.10	11.25 ± 0.25	4.73 ± 0.10	1.60 ± 0.10	12.05 ± 0.25	≤ 0.20	3
EFD15.3A	15.35 ± 0.25	6.55 ± 0.15	3.70 ± 0.15	8.05 ± 0.20	11.70 ± 0.30	4.50 ± 0.15	1.60 ± 0.10	12.50 ± 0.30	–	3
EFD16	16.00 ± 0.25	$15.10^{+0.15}_{-0.10}$	4.00 ± 0.15	5.80 ± 0.10	12.00 ± 0.15	12.70 ± 0.10	2.70 ± 0.10	–	≤ 0.25	2
EFD16A	16.00 ± 0.30	7.20 ± 0.20	4.80 ± 0.20	6.00 ± 0.25	12.50 ± 0.30	5.10 ± 0.20	2.40 ± 0.20	–	–	2
EFD16B	16.00 ± 0.25	15.30 ± 0.20	4.00 ± 0.15	5.50 ± 0.15	10.20min	12.30 ± 0.20	3.00 ± 0.13	–	–	6
EFD16.5	16.55 ± 0.25	19.40 ± 0.25	4.45 ± 0.10	5.80 ± 0.20	11.40min	$16.45^{+0.20}_{-0.15}$	2.80 ± 0.10	–	≤ 0.20	1
EFD16.5/17	16.55 ± 0.25	17.00 ± 0.25	4.45 ± 0.10	5.80 ± 0.20	11.40min	$14.05^{+0.20}_{-0.15}$	2.80 ± 0.10	–	–	2
EFD16.5/50	16.55 ± 0.25	25.00 ± 0.15	4.45 ± 0.15	5.80 ± 0.15	11.40min	$22.00^{+0.20}_{-0.15}$	2.80 ± 0.10	–	–	1
EFD17.6	17.60 ± 0.30	11.00 ± 0.20	5.60 ± 0.15	7.50 ± 0.15	13.10min	8.60 ± 0.20	3.40 ± 0.10	–	≤ 0.25	2
EFD18	18.00 ± 0.30	11.20 ± 0.15	2.00 ± 0.10	9.00 ± 0.15	13.20 ± 0.30	7.90 ± 0.15	0.90 ± 0.10	–	≤ 0.20	2
EFD18.5	18.50 ± 0.50	19.90 ± 0.20	4.05 ± 0.25	7.60 ± 0.20	14.50 ± 0.50	17.80 ± 0.20	2.11 ± 0.15	–	≤ 0.30	2
EFD18.5/3.7	18.50 ± 0.30	15.30 ± 0.20	3.70 ± 0.25	7.60 ± 0.20	14.50 ± 0.30	13.10 ± 0.20	1.80 ± 0.15	–	–	1
EFD19.5	19.50 ± 0.35	21.40 ± 0.20	5.45 ± 0.15	5.80 ± 0.15	13.50min	18.20 ± 0.15	4.00 ± 0.15	–	–	2

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EFD14.6	1.53	33.45	21.84	730.50	4.08
EFD14.7/4.75	2.61	52.61	20.16	1060.62	5.50
EFD14.8	1.42	37.89	26.65	1009.77	5.80
EFD14.8B	2.55	43.26	16.91	731.34	4.00
EFD15A	2.35	33.28	14.12	469.90	2.74
EFD15C/4.2	3.73	60.69	16.27	987.24	5.18
EFD15D	3.30	60.19	16.62	1000.36	7.00
EFD15E	3.85	62.68	16.27	1020.15	5.26
EFD15H	2.03	29.88	14.70	439.24	2.75
EFD15Q	1.20	21.21	17.73	376.18	2.36
EFD15.3	2.49	28.58	11.44	326.95	1.90
EFD15.3A	2.25	29.11	12.96	377.27	2.80
EFD16	4.10	64.37	15.70	1010.61	5.18
EFD16A	2.24	33.48	14.97	501.35	3.10
EFD16B	3.57	62.64	17.55	1099.42	5.80
EFD16.5	4.18	78.03	18.67	1456.82	8.00
EFD16.5/17	3.73	69.18	18.53	1281.91	7.34
EFD16.5/50	5.42	100.87	18.62	1878.20	8.00
EFD17.6	2.03	48.36	23.84	1152.90	6.12
EFD18	5.30	45.54	8.59	391.10	2.46
EFD18.5	5.51	85.28	15.46	1318.43	7.14
EFD18.5/3.7	4.77	66.84	14.02	937.08	4.82
EFD19.5	3.37	88.71	26.32	2335.22	13.08

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N²)										AL + 40% - 30% (nH/N²)		
	P4	P41	P45	P451	P452	P47	P48	P61	A05	A07	A10(L)	A121(L)	A151(L)
EFD14.6	1000										4285		
EFD14.7/4.75	950												
EFD14.8	1400		1650			1600							
EFD14.8B	820												
EFD15A	780 ± 30% 20%	760 ± 30% 20%	1000			990 ± 30% 20%	780 ± 30% 20%	430	1400	1820	2540min		3810min
EFD15C/4.2	700												
EFD15D	700												
EFD15E	680												
EFD15H	740										2800min	3200min	
EFD15Q						1570							
EFD15.3	850					950							
EFD15.3A	800					900							
EFD16	640												
EFD16A	1020												
EFD16B							750						
EFD16.5	678												
EFD16.5/17	700												
EFD16.5/50	590												
EFD17.6	1200												
EFD18	500												
EFD18.5	500												
EFD18.5/3.7	650 (ref)												
EFD19.5	950												

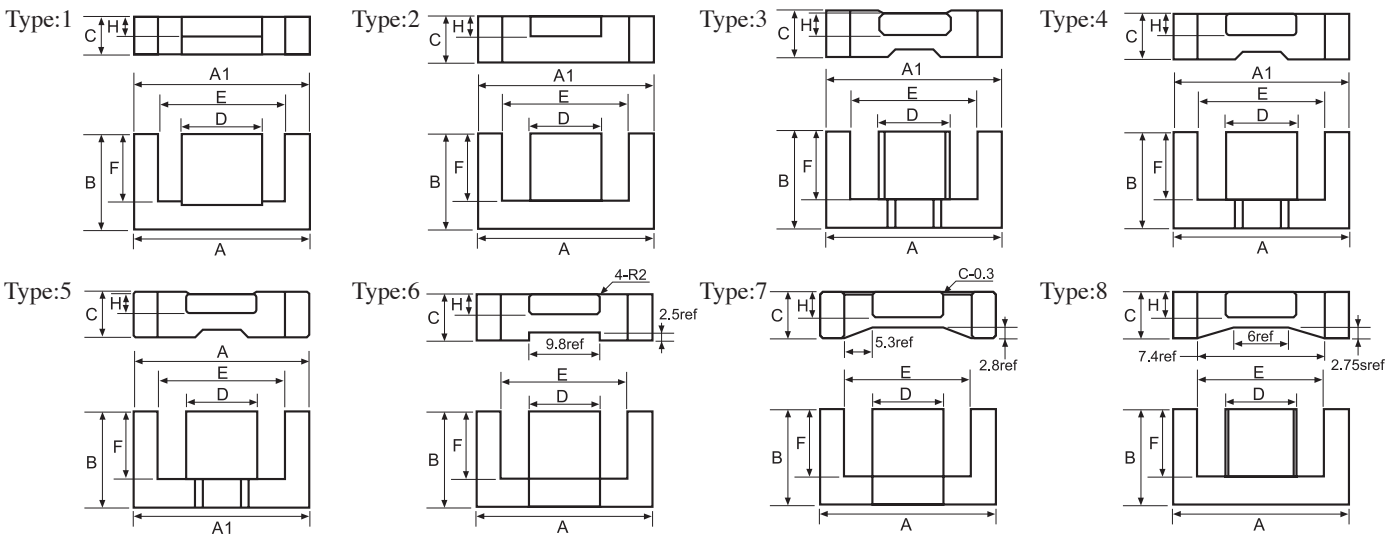
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : EFD Cores (3)

Ordering Code: P4 — EFD20 — G□

P4	EFD20	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:



■ DIMENSIONS

CORES	DIMENSIONS (mm)								Type
	A	B	C	D	E	F	H	|A-A1|	
EFD20	20.00 ± 0.55	10.00 ± 0.15	6.65 ± 0.15	8.90 ± 0.20	15.40 ± 0.50	7.70 ± 0.25	3.60 ± 0.15	≤ 0.25	3
EFD20A	20.00 ± 0.55	11.60 ± 0.15	6.00 ± 0.15	8.90 ± 0.20	15.40 $^{+0.20}_{-0.30}$	9.30 $^{+0.25}_{-0.20}$	3.60 ± 0.15	≤ 0.20	3
EFD20B	20.00 ± 0.55	11.60 ± 0.15	5.40 ± 0.15	8.90 ± 0.20	15.40 $^{+0.20}_{-0.30}$	9.30 $^{+0.25}_{-0.20}$	3.60 ± 0.15	≤ 0.20	4
EFD20D	20.50 ± 0.40	10.00 ± 0.25	6.65 $^{+0.20}_{-0.15}$	8.90 ± 0.20	15.90 ± 0.30	7.70 ± 0.20	3.60 ± 0.15	≤ 0.20	4
EFD20E	20.00 ± 0.30	13.30 ± 0.20	5.80 ± 0.12	8.90 ± 0.20	15.40 ± 0.20	11.00 ± 0.20	3.50 ± 0.12	≤ 0.20	2
EFD20.3	20.30 ± 0.50	10.20 ± 0.15	6.00 ± 0.15	8.90 ± 0.20	15.70 ± 0.20	7.90 ± 0.20	3.60 ± 0.15	≤ 0.30	3
EFD20.6	20.60 ± 0.50	10.20 ± 0.15	6.60 ± 0.15	8.90 ± 0.20	16.70 $^{+0.40}_{-0.20}$	8.00 ± 0.15	3.70 ± 0.15	–	3
EFD20.7	20.70 ± 0.60	12.30 ± 0.20	4.15 ± 0.20	10.20 ± 0.25	15.80 $^{+0.50}_{-0.30}$	9.20 ± 0.20	2.05 ± 0.15	–	2
EFD21.4	21.40 ± 0.30	12.60 ± 0.20	6.00 ± 0.15	9.50 ± 0.15	16.10min	10.00 ± 0.20	3.40 ± 0.10	≤ 0.25	2
EFD21.5	21.50 ± 0.40	20.50 ± 0.20	4.65 ± 0.15	8.20 ± 0.15	14.20min	17.55 ± 0.15	2.90 ± 0.10	–	1
EFD22	22.00 ± 0.30	14.50 ± 0.15	7.40 ± 0.15	9.60 ± 0.15	16.00 ± 0.30	11.50 ± 0.15	4.20 ± 0.15	≤ 0.25	4
EFD22A	22.00 ± 0.50	16.30 ± 0.40	4.36 ± 0.25	10.00 ± 0.20	16.90 ± 0.50	13.90min	1.91 ± 0.15	≤ 0.30	2
EFD22.5A	22.50 ± 0.60	12.00 ± 0.20	4.00 ± 0.20	11.00 ± 0.25	17.00 ± 0.40	9.35 ± 0.20	1.90 ± 0.15	–	2
EFD23.6	23.60 ± 0.40	14.40 ± 0.20	4.00 ± 0.20	11.00 ± 0.25	17.70min	11.60 ± 0.20	1.90 ± 0.20	–	2
EFD25	25.00 ± 0.65	12.50 ± 0.15	9.10 ± 0.20	11.40 ± 0.20	18.70 ± 0.60	9.30 ± 0.25	5.20 ± 0.15	≤ 0.30	3
EFD25A	25.05 ± 0.65	12.60 ± 0.20	12.45 ± 0.25	8.80 ± 0.25	19.20 ± 0.40	9.55 ± 0.25	8.30 ± 0.30	–	2
EFD25B	25.00 ± 0.65	12.50 ± 0.15	9.10 ± 0.20	11.40 ± 0.20	18.70 ± 0.60	9.30 ± 0.25	5.20 ± 0.15	–	3
EFD25F	25.20 ± 0.50	12.90 ± 0.20	9.10 ± 0.20	11.40 ± 0.20	18.50min	9.70 ± 0.20	5.30 ± 0.15	≤ 0.30	5
EFD25.4	25.40 ± 0.70	15.85 ± 0.20	10.50 ± 0.30	9.80 ± 0.30	19.50min	12.35 ± 0.15	6.10 ± 0.20	–	6
EFD26.3	26.30 ± 0.50	12.70 ± 0.20	9.10 ± 0.20	11.30 ± 0.20	20.00min	9.50 ± 0.20	5.15 ± 0.15	–	5
EFD28.7	28.70 ± 0.40	14.90 ± 0.25	2.45 ± 0.10	14.80 ± 0.15	21.50 ± 0.35	11.30 ± 0.20	1.20 ± 0.10	≤ 0.30	2
EFD29.7	29.70 ± 0.80	16.80 ± 0.30	12.50 ± 0.40	11.60 ± 0.30	22.20 $^{+0.50}_{-0.30}$	12.30 ± 0.30	8.20 ± 0.20	–	7
EFD30A	30.00 ± 0.50	15.00 ± 0.20	9.10 ± 0.30	14.60 ± 0.30	22.40min	11.20 ± 0.20	4.90 ± 0.25	–	3
EFD30.8	30.80 ± 0.50	15.20 ± 0.25	8.60 ± 0.20	14.60 $^{+0.15}_{-0.30}$	22.20min	11.40 ± 0.20	4.84 ± 0.15	–	8
EFD31	31.00 ± 0.45	18.00 ± 0.25	6.50 ± 0.20	14.00 ± 0.25	21.90 ± 0.40	13.50 ± 0.25	3.90 ± 0.20	–	2
EFD31.2	31.20 ± 0.50	15.25 ± 0.15	9.00 ± 0.20	14.40 ± 0.25	23.20 ± 0.40	11.30 ± 0.15	4.90 ± 0.15	–	3
EFD31.2B	31.20 ± 0.50	15.20 ± 0.20	9.00 ± 0.20	14.60 ± 0.30	23.80min	11.40 ± 0.20	4.90 ± 0.20	–	5
EFD31.4	31.40 ± 0.50	15.00 ± 0.20	9.10 ± 0.20	14.60 ± 0.25	23.40min	11.30 ± 0.20	4.90 ± 0.15	–	3
EFD31.4A	31.40 ± 0.60	15.50 ± 0.30	9.00 ± 0.20	14.60 ± 0.25	24.60min	11.70 ± 0.20	4.90 ± 0.20		5
FFD31.8	31.80 ± 0.50	22.00 ± 0.15	5.10 ± 0.20	15.35 ± 0.40	21.60min	17.00 ± 0.15	3.15 ± 0.15	≤ 0.40	2

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EFD20	1.59	45.49	28.50	1296.40	6.88
EFD20A	1.89	51.76	27.27	1411.49	7.66
EFD20B	2.00	51.46	25.64	1319.43	6.94
EFD20D	1.61	45.97	28.42	1306.40	6.90
EFD20E	2.19	58.48	26.65	1558.49	6.88
EFD20.3	1.72	46.02	27.88	1283.06	7.00
EFD20.6	1.78	47.40	26.59	1260.14	6.80
EFD20.7	2.53	52.78	20.84	1099.77	6.28
EFD21.4	1.88	55.76	29.66	1653.84	9.24
EFD21.5	3.16	84.57	26.75	2262.25	12.40
EFD22	1.57	62.52	39.94	2497.05	13.90
EFD22A	3.66	70.97	19.41	1377.87	7.67
EFD22.5A	2.53	54.00	21.30	1150.20	6.14
EFD23.6	3.02	63.32	20.97	1328.00	7.50
EFD25	1.03	55.81	53.92	3009.20	16.12
EFD25A	0.80	59.00	74.00	4370.00	22.40
EFD25B	1.04	55.81	53.92	3009.28	16.12
EFD25F	0.98	56.51	57.63	3257.12	17.64
EFD25.4	1.14	70.32	61.44	4320.46	18.56
EFD26.3	1.05	57.80	54.83	3169.59	16.20
EFD28.7	4.03	65.02	16.10	1046.82	6.06
EFD29.7	0.77	73.74	96.33	7103.37	35.70
EFD30A	0.98	66.02	67.52	4457.67	24.00
EFD30.8	0.98	66.73	68.13	4546.31	23.72
EFD31	1.44	77.23	53.56	4135.91	23.00
EFD31.2	0.99	67.85	68.52	4649.28	24.28
EFD31.2B	1.03	68.23	66.27	4521.52	25.24
EFD31.4	1.07	67.72	63.48	4298.64	25.40
EFD31.4A	1.11	69.62	62.71	4366.06	23.50
EFD31.8	1.91	91.32	47.77	4362.36	23.26

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N²)										AL + 40% - 30% (nH/N²)		
	P4	P41	P45	P451	P452	P47	P48	P61	A05	A07	A10(L)	A121(L)	A151(L)
EFD20	$1200^{+30\%}_{-20\%}$	$1200^{+30\%}_{-20\%}$	1650			1600	$1200^{+30\%}_{-20\%}$	550		2800	5700 ± 30%	4500min	
EFD20A	1085												
EFD20B	1085					1250							
EFD20D	1200	1160	1550			1500				3000			
EFD20E	1200	1100											
EFD20.3	1150												
EFD20.6	1390												
EFD20.7	800												
EFD21.4	1300												
EFD21.5	960												
EFD22	1600	1550											
EFD22A	620												
EFD22.5A							950						
EFD23.6		850											
EFD25	$2000^{+30\%}_{-20\%}$	1930	2500			2400	$2000^{+30\%}_{-20\%}$		4400	5480	9000 ± 30%		
EFD25A						$3300^{+30\%}_{-20\%}$							
EFD25B	2000					2400							
EFD25F	2100												
EFD25.4	2000					2350	2000						
EFD26.3	2480												
EFD28.7	650												
EFD29.7	3000	2850	3700			3640							
EFD30A	2300	2200	2750			2700	2300						
EFD30.8							2700						
EFD31	1800												
EFD31.2	2700												
EFD31.2B	2150												
EFD31.4	2200												
EFD31.4A	2400												
EFD31.8	1500												

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

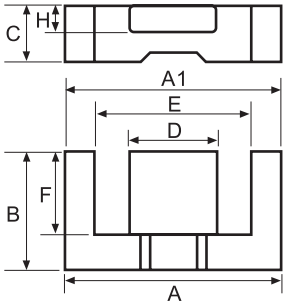
Type : EFD Cores (4)

Ordering Code:

P4	EFD35	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

Type:1



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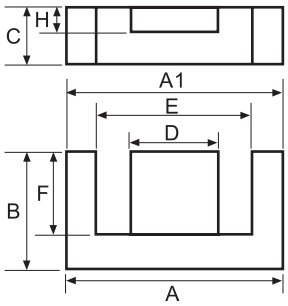
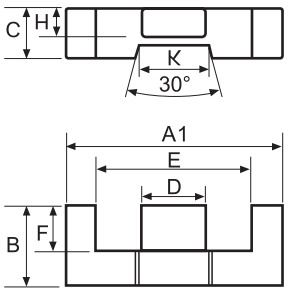


Type:3



■ DIMENSIONS

CORES	DIMENSIONS (mm)								Type
	A	B	C	D	E	F	H	|A-A1|	
EFD33.7	33.70 ± 0.50	23.00 ± 0.15	5.00 ± 0.15	17.00 ± 0.20	23.70 ± 0.45	18.00 ± 0.15	3.00 ± 0.10	–	2
EFD34.8	34.80 ± 0.50	22.40 ± 0.20	5.40 ± 0.15	16.50 ± 0.25	24.20min	16.90 ± 0.20	3.00 ± 0.15	≤ 0.50	2
EFD35	35.00 ± 0.50	25.30 ± 0.20	5.70 ± 0.15	15.35 ± 0.25	24.70 ± 0.30	20.00 ± 0.20	3.80 ± 0.15	–	2
EFD35A	35.00 ± 0.50	13.90 ± 0.20	6.30 ± 0.25	18.00 ± 0.40	25.30min	9.50 ± 0.20	3.20 ± 0.20	–	1
EFD35.4	35.40 ± 0.50	25.60 ± 0.20	6.00 ± 0.20	15.30 ± 0.25	25.00min	20.30 ± 0.20	4.20 ± 0.15	–	2
EFD35.4A	35.40 ± 0.50	23.10 ± 0.20	6.00 ± 0.20	15.30 ± 0.25	25.50 ± 0.40	17.80 ± 0.15	4.20 ± 0.15	≤ 0.60	2
EFD35.5	35.50 ± 0.80	17.75 ± 0.20	6.80 ± 0.20	16.20 ± 0.30	26.20 ± 0.60	13.10 ± 0.20	3.90 ± 0.15	–	2
EFD36	36.00 ± 0.50	18.90 ± 0.20	7.40 ± 0.15	17.60 ± 0.20	26.20 ± 0.50	13.80 ± 0.15	4.00 ± 0.15	–	2
EFD36.1	36.10 ± 0.55	17.80 ± 0.20	13.00 ± 0.30	10.00 ± 0.30	25.10min	12.80 ± 0.20	10.00 ± 0.30	–	3
EFD36.25	36.25 ± 0.50	24.00 ± 0.15	10.00 ± 0.20	14.00 ± 0.20	26.00min	19.00 ± 0.20	5.00 ± 0.20	–	2
EFD37.7	37.70 ± 0.50	17.60 ± 0.20	7.60 ± 0.20	18.60 ± 0.25	29.50 ± 0.40	13.10 ± 0.15	3.40 ± 0.15	–	2
EFD37.7A	$37.70^{+0.80}_{-0.50}$	17.60 ± 0.20	7.60 ± 0.20	18.60 ± 0.25	29.60min	13.10 ± 0.15	3.40 ± 0.15	–	2
EFD37.8	37.80 ± 0.50	29.00 ± 0.20	5.50 ± 0.20	13.80 ± 0.20	22.40 ± 0.45	21.60 ± 0.20	4.00 ± 0.15	–	2
EFD40.2	40.20 ± 0.50	24.70 ± 0.20	6.10 ± 0.20	20.00 ± 0.30	29.30 ± 0.60	18.00 ± 0.20	3.00 ± 0.15	–	2
EFD41	41.00 ± 0.80	20.30 ± 0.20	11.80 ± 0.30	16.60 ± 0.40	31.40 ± 0.70	15.50 ± 0.20	6.70 ± 0.25	≤ 0.60	2
EFD42.9	42.90 ± 0.70	24.40 ± 0.15	6.60 ± 0.15	21.60 ± 0.30	27.80min	17.00 ± 0.15	4.40 ± 0.15	–	2
EFD43	43.00 ± 0.60	26.30 ± 0.25	7.55 ± 0.20	21.60 ± 0.30	29.40 ± 0.60	18.80 ± 0.25	4.30 ± 0.20	–	2
EFD43.1	43.10 ± 0.65	22.15 ± 0.20	8.00 ± 0.15	22.30 ± 0.30	$33.10^{+0.65}_{-0.30}$	17.15 ± 0.20	3.50 ± 0.15	–	2
EFD43.4	43.40 ± 0.60	22.10 ± 0.20	8.00 ± 0.30	22.45 ± 0.25	33.50min	17.00 ± 0.20	3.20 ± 0.15	–	2
EFD43.7	43.70 ± 0.70	27.60 ± 0.15	6.20 ± 0.25	20.30 ± 0.30	29.50min	20.60 ± 0.15	4.00 ± 0.15	–	2
EFD43.7A	43.70 ± 0.70	28.50 ± 0.15	6.20 ± 0.25	20.30 ± 0.30	29.50min	21.50 ± 0.20	4.00 ± 0.15	–	2
EFD45	45.00 ± 0.50	27.60 ± 0.15	6.30 ± 0.15	21.60 ± 0.30	30.50 ± 0.50	20.20 ± 0.20	4.40 ± 0.15	–	2
EFD45.2	45.20 ± 0.65	24.70 ± 0.20	5.90 ± 0.15	24.00 ± 0.30	$33.10^{+0.60}_{-0.40}$	18.00 ± 0.20	3.00 ± 0.15	–	2
EFD45.3	45.30 ± 0.70	25.30 ± 0.20	5.90 ± 0.20	23.80 ± 0.20	$33.50^{+0.70}_{-0.30}$	18.50 ± 0.20	2.90 ± 0.20	≤ 0.50	2
EFD47	47.00 ± 0.80	28.10 ± 0.20	8.70 ± 0.20	21.60 ± 0.40	30.60min	20.70 ± 0.20	6.50 ± 0.15	–	2
EFD50	50.00 ± 0.70	28.00 ± 0.30	6.20 ± 0.20	24.00 ± 0.30	34.40min	20.60 ± 0.20	3.20 ± 0.20	–	2
EFD64	64.00 ± 0.80	40.00 ± 0.20	6.60 ± 0.25	30.80 ± 0.40	39.00 ± 0.55	27.50 ± 0.20	$4.40^{+0.10}_{-0.30}$	–	2

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EFD33.7	1.93	96.01	49.78	4779.38	25.06
EFD34.8	1.79	93.92	52.42	4923.98	27.52
EFD35	1.83	106.80	58.26	6222.27	32.64
EFD35A	1.11	61.68	55.32	3412.48	18.74
EFD35.4	1.74	108.31	32.33	6570.89	35.08
EFD35.4A	1.75	108.37	61.76	6692.95	35.08
EFD35.5	1.28	78.47	61.19	4801.89	26.68
EFD36	1.16	81.57	70.26	5730.55	30.00
EFD36.1	0.70	81.02	116.48	9437.08	48.64
EFD36.25	1.27	102.80	80.78	8304.47	50.52
EFD37.7	1.39	79.59	57.29	4559.47	28.16
EFD37.7A	1.32	79.73	60.35	4811.71	27.50
EFD37.8	1.75	113.58	64.75	7354.31	43.80
EFD40.2	1.68	102.78	61.02	6271.50	37.60
EFD41	0.86	95.80	112.00	10729.60	54.62
EFD42.9	1.07	99.53	92.80	9236.38	50.80
EFD43	1.15	107.57	93.91	10102.30	58.66
EFD43.1	1.39	97.83	70.65	6911.83	41.94
EFD43.4	1.35	100.98	74.82	7555.32	40.60
EFD43.7	1.38	115.12	83.66	9630.94	53.04
EFD43.7A	1.49	119.23	80.04	9543.03	50.68
EFD45	1.23	114.05	92.97	10603.80	56.28
EFD45.2	1.56	104.87	67.15	7042.38	41.66
EFD45.3	1.55	107.36	69.30	7440.36	42.94
EFD47	0.84	116.84	138.72	16208.60	86.40
EFD50	1.40	118.04	83.89	9902.38	54.60
EFD64	1.10	157.65	143.80	22669.90	130.60

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)										AL + 40% - 30% (nH/N^2)		
	P4	P41	P45	P451	P452	P47	P48	P61	A05	A07	A10(L)	A121(L)	A151(L)
EFD33.7	1300		1570			1530							
EFD34.8						1800							
EFD35	1600												
EFD35A		2300											
EFD35.4	1500												
EFD35.4A	1672												
EFD35.5							2100						
EFD36	1900												
EFD36.1	3400												
EFD36.25	2100												
EFD37.7						2280							
EFD37.7A							1900						
EFD37.8	1800												
EFD40.2	1650												
EFD41			3900										
EFD42.9	2450												
EFD43	2300												
EFD43.1						2300							
EFD43.4							1800						
EFD43.7	1700												
EFD43.7A						1950							
EFD45	2000												
EFD45.2						1500							
EFD45.3						1800							
EFD47	3400												
EFD50		1800											
EFD64	2950												

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

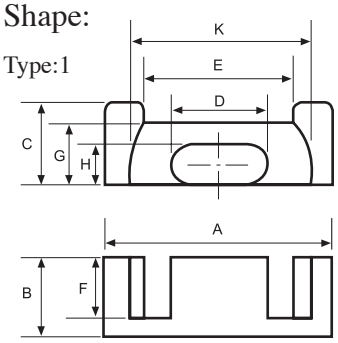
Type : EPC Cores

Ordering Code:

P4	EPC19	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

Type:1



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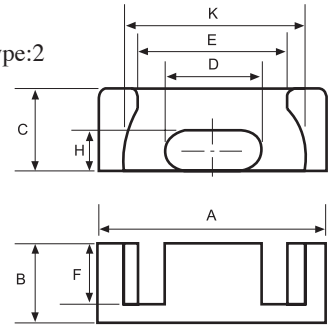

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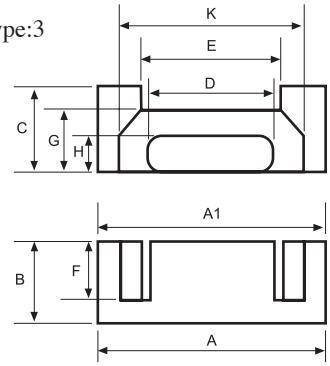

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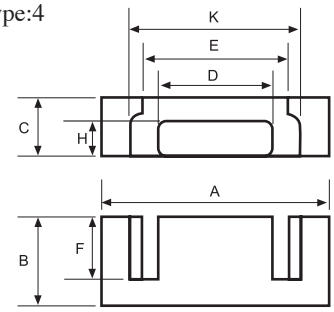
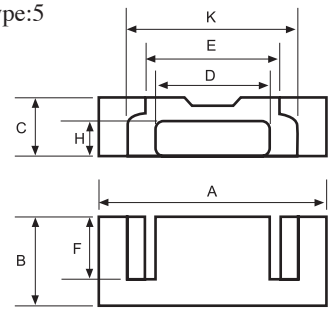
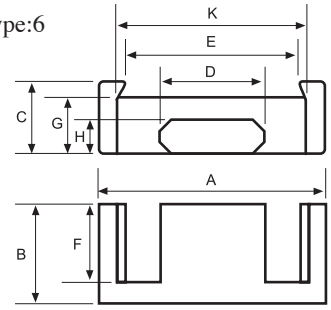
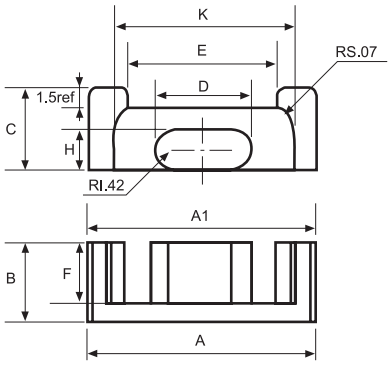


Type:5



Type:6





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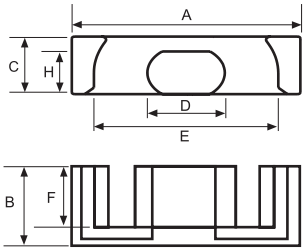


■ DIMENSIONS

CORES	DIMENSIONS (mm)									Type
	A	B	C	D	E	F	G	H	K	
EPC10	10.20 ± 0.30	4.05 ± 0.15	3.40 ± 0.15	5.00 ± 0.10	5.30min	2.55min	–	1.90 ± 0.10	7.60min	2
EPC10A	10.20 ± 0.30	4.05 ± 0.15	3.40 ± 0.15	5.00 ± 0.10	5.70min	2.55min	–	1.90 ± 0.10	7.90min	8
EPC12.6	12.40 $^{+0.40}_{-0.00}$	5.75 $^{+0.13}_{-0.00}$	3.60 $^{+0.00}_{-0.25}$	6.20 $^{+0.00}_{-0.30}$	7.32 $^{+0.30}_{-0.00}$	3.25 $^{+0.20}_{-0.00}$	–	2.30 $^{+0.00}_{-0.18}$	8.80 $^{+0.30}_{-0.00}$	2
EPC13A	13.50 ± 0.25	6.60 ± 0.20	4.60 ± 0.15	5.60 ± 0.15	8.50min	4.50 ± 0.20	–	2.05 ± 0.10	11.00 ± 0.20	1
EPC13D	13.20 ± 0.25	6.60 ± 0.20	4.60 ± 0.15	5.60 ± 0.15	8.70min	4.50 ± 0.20	–	2.05 ± 0.10	11.00min	1
EPC13F	13.10 ± 0.20	6.60 ± 0.20	4.40 $^{+0.10}_{-0.15}$	5.55 ± 0.15	8.30min	4.50 ± 0.20	3.65 ± 0.15	2.15 $^{+0.10}_{-0.15}$	10.60min	1
EPC14.5	14.50 ± 0.30	7.40 ± 0.20	6.00 ± 0.15	7.00 ± 0.15	10.10 ± 0.25	5.50 ± 0.15	–	3.20 ± 0.10	12.30 ± 0.30	2
EPC17A	17.60 ± 0.38	8.55 ± 0.20	6.00 ± 0.15	7.70 ± 0.15	11.50min	6.05 ± 0.20	–	2.75 ± 0.10	14.40min	1
EPC17B	17.60 ± 0.30	8.55 ± 0.20	6.05 ± 0.15	7.60 ± 0.20	12.00min	6.25 ± 0.20	–	2.85 ± 0.15	14.50min	7
EPC17D/6/8.6	17.60 ± 0.30	8.60 ± 0.15	6.00 ± 0.15	7.70 ± 0.20	12.00min	6.10 ± 0.20	–	2.85 ± 0.15	14.60min	1
EPC18	18.40 ± 0.30	13.20 ± 0.15	4.10 ± 0.15	9.10 ± 0.15	10.70min	10.30 ± 0.15	–	2.65 ± 0.10	13.10min	1
EPC19/20	19.10 ± 0.40	10.00 ± 0.20	6.00 ± 0.15	8.50 ± 0.15	13.10min	7.50 $^{+0.20}_{-0.10}$	–	2.50 ± 0.10	15.80min	1
EPC19A	19.60 ± 0.50	9.75 ± 0.20	6.00 ± 0.20	8.20 ± 0.20	13.60 ± 0.50	7.25 ± 0.20	–	2.40 ± 0.15	16.40 ± 0.50	1
EPC19B	19.60 ± 0.50	9.75 ± 0.20	6.00 ± 0.20	8.20 ± 0.20	13.40 ± 0.50	7.25 ± 0.20	–	2.40 ± 0.15	16.40 ± 0.50	1
EPC19.5	19.50 ± 0.40	10.90 ± 0.20	6.00 ± 0.15	8.50 ± 0.15	13.40min	8.40 ± 0.15	4.60 ± 0.15	2.45 ± 0.15	16.20min	3
EPC19.6	19.60 ± 0.40	12.34 ± 0.25	4.12 ± 0.10	10.02 ± 0.15	14.50 ± 0.35	9.25 ± 0.20	–	2.03 ± 0.10	15.75 ± 0.35	4
EPC20	20.00 ± 0.40	12.34 ± 0.25	4.12 ± 0.15	10.02 ± 0.15	14.90 ± 0.35	9.25 ± 0.20	–	2.03 ± 0.15	16.15 ± 0.35	4
EPC21.9	21.90 ± 0.30	14.50 ± 0.20	7.30 ± 0.15	9.50 ± 0.15	14.70min	11.55 ± 0.15	–	4.20 ± 0.15	16.40min	5
EPC24.8	24.80 ± 0.40	12.80 ± 0.15	8.90 ± 0.15	8.40 ± 0.20	20.10 ± 0.30	9.60 ± 0.15	–	6.60 ± 0.15	–	8
EPC25	25.40 ± 0.50	12.50 ± 0.25	8.00 ± 0.25	10.50 ± 0.25	18.35 ± 0.40	9.00 ± 0.20	6.20ref	4.00 ± 0.20	21.05 ± 0.40	6

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EPC10	2.03	19.28	8.36	161.23	0.92
EPC10A	2.18	18.73	8.61	161.27	0.88
EPC12.6	1.56	22.51	14.42	324.59	1.44
EPC13A	2.55	31.08	12.18	378.55	2.12
EPC13D	2.38	29.29	12.33	361.10	2.00
EPC13F	2.28	28.92	12.68	366.80	1.80
EPC14.5	1.97	24.38	12.39	301.97	1.73
EPC17A	1.76	38.87	22.07	857.90	4.72
EPC17B	1.85	40.00	21.60	864.00	4.72
EPC17D/6/8.6	1.79	30.68	17.16	526.47	4.60
EPC18	2.49	55.11	22.09	1217.38	6.36
EPC19/20	2.07	47.12	22.72	1070.56	5.36
EPC19A	1.88	43.30	23.00	995.90	5.38
EPC19B	2.26	49.38	21.89	1080.93	5.30
EPC19.5	1.94	41.99	21.64	908.69	5.90
EPC19.6	2.95	52.33	17.70	926.24	5.42
EPC20	2.89	53.24	18.40	979.62	5.52
EPC21.9	1.71	63.15	36.90	2330.24	12.84
EPC24.8	1.22	60.34	49.24	2970.86	15.50
EPC25	1.39	58.64	42.31	2481.06	12.16

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)										AL ± 30% (nH/N^2)		
	P4	P41	P45	P451	P452	P47	P48	P61	A05	A07	A10(L)	A121(L)	A151(L)
EPC10	820	800				900				1180			
EPC10A	950	840				970				1400			
EPC12.6	1000												
EPC13A	910	890	950			900	910				3240		3500min
EPC13D	800	770	920			900	800						
EPC13F	820												
EPC14.5	1200												
EPC17A	1150	1120	1350			1360							
EPC17B	1150	1100				1300							
EPC17D/6/8.6	1150	1090											
EPC18	1000												
EPC19/20	930												
EPC19A	1100	1060				1300							
EPC19B	1100												
EPC19.5	1040												
EPC19.6	860												
EPC20	820												
EPC21.9	1390												
EPC24.8						2000							
EPC25	1550	1500				1840							

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

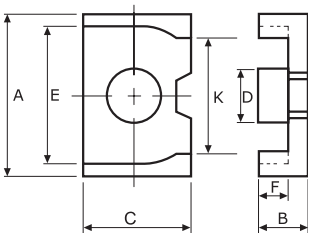
Type : ER Cores (1)

Ordering Code:

P4	ER14.5/11.3	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

Type:1



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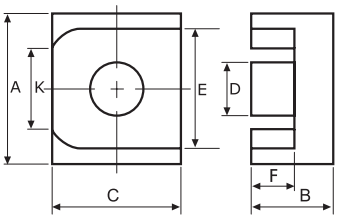
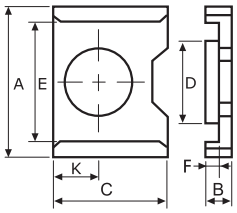
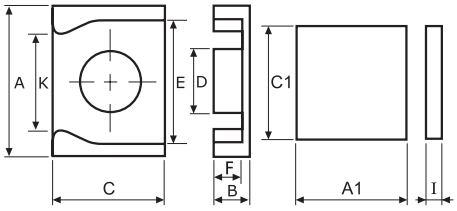


Type:3



Type:4



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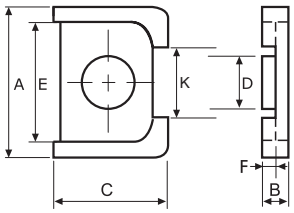


■ DIMENSIONS

CORES	DIMENSIONS (mm)										Type
	A	B	C	D	E	F	K	A1	C1	I	
ER8.7	8.70 ± 0.15	2.65 ± 0.10	4.00 ± 0.10	2.40 ± 0.10	7.20 ± 0.15	1.90 ± 0.10	6.42 ± 0.15	–	–	–	4
ER9.95/6.2	9.95 ± 0.15	3.10 ± 0.10	6.50 ± 0.10	4.35 ± 0.10	7.90 ± 0.15	2.00 ± 0.10	6.50 ± 0.15	–	–	–	1
ER10/4.3	9.90 ± 0.15	2.15 ± 0.10	$7.80^{+0.10}_{-0.13}$	3.70 ± 0.10	$8.10^{+0.15}_{-0.10}$	$1.10^{+0.08}_{-0.07}$	6.50 ± 0.15	–	–	–	1
ER10/4.46	9.90 ± 0.20	2.23 ± 0.10	7.80 ± 0.15	3.70 ± 0.10	8.10 ± 0.20	1.13 ± 0.10	6.50 ± 0.15	–	–	–	1
ER12/9/5	12.20 ± 0.15	2.50 ± 0.08	$9.00^{+0.13}_{-0.12}$	5.55 ± 0.10	10.00 ± 0.15	1.00 ± 0.08	8.60 ± 0.15	–	–	–	1
ER12/9/5.2	12.20 ± 0.20	2.60 ± 0.08	9.00 ± 0.15	5.55 ± 0.10	10.00 ± 0.20	1.10 ± 0.08	8.60 ± 0.15	–	–	–	1
ER12/9/5.7	12.20 ± 0.20	2.87 ± 0.06	9.00 ± 0.15	5.55 ± 0.10	10.00 ± 0.20	1.37 ± 0.06	8.60 ± 0.15	–	–	–	1
ER12/9/7	12.20 ± 0.20	3.50 ± 0.08	9.00 ± 0.15	5.55 ± 0.10	10.00 ± 0.15	2.00 ± 0.08	8.60 ± 0.15	–	–	–	1
ER12/9/8	12.20 ± 0.20	4.00 ± 0.06	9.00 ± 0.15	5.55 ± 0.10	10.00 ± 0.15	2.50 ± 0.06	8.60 ± 0.15	–	–	–	1
ER12.45/9/5.1	12.45 ± 0.15	2.55 ± 0.08	9.00 ± 0.15	5.60 ± 0.10	10.25 ± 0.15	$1.15^{+0.10}_{-0.08}$	8.60 ± 0.15	–	–	–	1
ERI12.85/9.3/3.96/1.13	12.85 ± 0.20	3.96 ± 0.10	9.30 ± 0.25	5.30 ± 0.15	10.45min	2.66min	8.70min	12.85 ± 0.20	9.30 ± 0.25	1.13 ± 0.05	4
ER13.6/9.35/4.5	13.60 ± 0.15	2.25 ± 0.10	9.35 ± 0.10	$5.60^{+0.08}_{-0.15}$	11.05min	1.20 ± 0.10	3.80 ± 0.10	–	–	–	3
ER14.5/11.3	14.50 ± 0.20	4.10 ± 0.10	11.30 ± 0.20	6.00 ± 0.20	12.20 ± 0.15	2.90 ± 0.10	8.30 ± 0.15	–	–	–	2
ERI14.5B/11.3	14.50 ± 0.30	5.60 ± 0.10	11.30 ± 0.25	6.00 ± 0.25	12.20 ± 0.30	4.40 ± 0.10	9.27 ± 0.30	14.50 ± 0.30	11.30 ± 0.25	1.20 ± 0.10	4
ERI24.52A	24.52 ± 0.40	8.90 ± 0.10	20.60 ± 0.30	$11.30^{+0.15}_{-0.12}$	21.30 ± 0.35	6.05 ± 0.15	14.00 ± 0.30	24.52 ± 0.30	20.60 ± 0.30	3.10 ± 0.10	4
ER26.85	26.85 ± 0.40	9.05 ± 0.15	20.10 ± 0.30	12.00 ± 0.20	21.70 ± 0.40	5.05 ± 0.15	16.05 ± 0.40	–	–	–	5
ER33D	32.70 ± 0.50	7.40 ± 0.20	28.90 ± 0.50	15.40 ± 0.30	27.30 ± 0.50	4.20 ± 0.20	19.50 ± 0.35	–	–	–	4

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
ER8.7	2.73	15.14	5.55	84.12	0.44
ER9.95/6.2	1.06	15.09	16.01	241.59	0.62
ER10/4.3	0.75	11.51	15.20	174.95	1.16
ER10/4.46	0.78	11.80	15.12	178.42	1.20
ER12/9/5	0.50	13.39	26.72	357.78	2.34
ER12/9/5.2	0.48	14.66	30.70	450.06	2.64
ER12/9/5.7	0.56	14.87	26.46	393.46	2.52
ER12/9/7	0.54	13.89	25.62	355.86	2.52
ER12/9/8	0.74	19.36	25.95	502.39	2.64
ER12.45/9/5.1	0.59	14.01	23.94	335.40	1.92
ERI12.85/9.3/3.96/1.13	0.78	16.72	21.47	358.98	1.85
ER13.6/9.35/4.5	0.69	14.66	21.27	311.68	2.02
ER14.5/11.3	0.70	20.12	28.53	574.02	3.46
ERI14.5B/11.3	0.76	21.71	28.48	618.30	3.12
ERI24.52A	0.28	30.04	107.17	3219.39	19.85
ER26.85	0.32	40.11	125.11	5018.16	28.50
ER33D	0.19	39.29	208.90	8211.00	49.00

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)							
	P4	P41	P45	P451	P452	P47	P51	P61
ER8.7	530							
ER9.95/6.2						1720		
ER10/4.3	1750	1700					1280	
ER10/4.46	1850							
ER12/9/5	3330	2600				3500	2170	
ER12/9/5.2	3200	3000	3370			3200	2230	
ER12/9/5.7	3100					2850	1900	
ER12/9/7	2530		2850			2800		
ER12/9/8	2350					2500	1550	
ER12.45/9/5.1	3300							
ERI12.85/9.3/3.96/1.13	1960							
ER13.6/9.35/4.5	1950	1850						
ER14.5/11.3	2500	2400				2750		
ERI14.5B/11.3		2300						
ERI24.52A						4530		
ER26.85						6500		
ER33D	10000							

Remark:

1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. Customized dimensions are available.

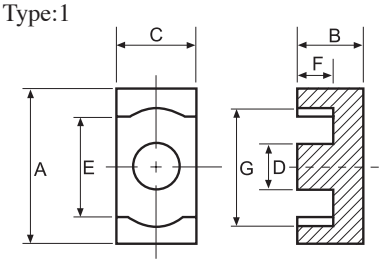
Type : ER Cores (2-1)

Ordering Code: P4 ER11/5 G□

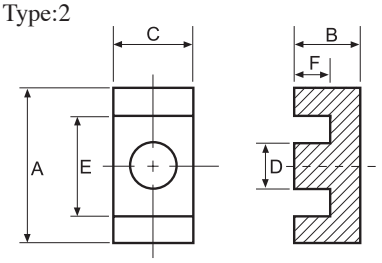
P4: Material 材質
ER11/5: Core Size 品名
G□: Gapped AL Value

Shape:

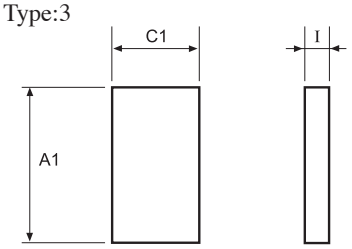
Type:1



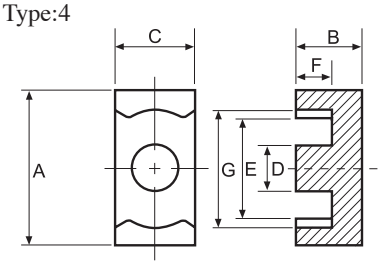
Type:2



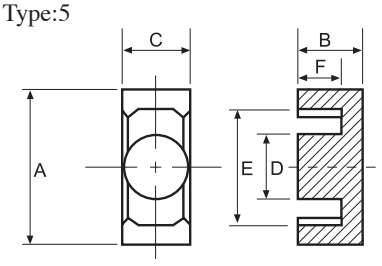
Type:3



Type:4



Type:5



■ DIMENSIONS

CORES	DIMENSIONS (mm)										Type
	A	B	C	D	E	F	G	A1	C1	I	
ER6.8	6.80 ± 0.15	1.48 ± 0.08	2.50 ± 0.10	2.05 ± 0.10	5.80min	0.99 ± 0.08	–	–	–	–	2
ER7.5/5	7.50 ± 0.15	2.50 ± 0.10	4.00 ± 0.10	2.60 ± 0.10	5.70 ± 0.10	1.75 ± 0.07	$6.22^{+0.13}_{-0.12}$	–	–	–	1
ERI7.5/4/2.15/0.75	7.50 ± 0.15	2.15 ± 0.10	4.00 ± 0.10	2.60 ± 0.10	5.70 ± 0.10	1.40 ± 0.10	$6.22^{+0.13}_{-0.12}$	7.50 ± 0.15	4.00 ± 0.10	0.75 ± 0.10	1 + 3
ER8/5	8.00 ± 0.15	2.50 ± 0.10	4.00 ± 0.10	2.60 ± 0.10	5.70 ± 0.10	1.73 ± 0.10	6.55min	–	–	–	4
ER9.5/3.6	9.35 ± 0.15	1.80 ± 0.05	4.90 ± 0.10	3.40 ± 0.10	7.00min	$0.93^{+0.07}_{-0.08}$	7.40min	–	–	–	1
ER9.5/5	9.35 ± 0.15	2.45 ± 0.05	4.90 ± 0.10	3.40 ± 0.10	7.00min	1.67 ± 0.07	7.40min	–	–	–	1
ER10B	10.00 ± 0.20	2.30 ± 0.10	8.80 ± 0.20	2.78 ± 0.10	8.17 ± 0.20	1.29 ± 0.10	6.40 ± 0.15	–	–	–	9
ER10.83	$10.83^{+0.18}_{-0.17}$	2.65 ± 0.05	5.90 ± 0.10	$4.12^{+0.13}_{-0.12}$	7.90min	1.77 ± 0.12	8.98 ± 0.15	–	–	–	1
ER11/3.9	$10.83^{+0.18}_{-0.17}$	1.93 ± 0.05	5.90 ± 0.10	$4.12^{+0.13}_{-0.12}$	7.90min	$1.05^{+0.08}_{-0.07}$	8.85 ± 0.15	–	–	–	1
ER11/5	$10.83^{+0.18}_{-0.17}$	2.45 ± 0.05	5.90 ± 0.10	$4.12^{+0.13}_{-0.12}$	7.90min	$1.57^{+0.08}_{-0.07}$	8.85 ± 0.15	–	–	–	1
ER11.63/5.15	11.63 ± 0.20	2.58 ± 0.10	5.90 ± 0.20	4.12 ± 0.15	8.70min	1.70 ± 0.10	9.65 ± 0.20	_	_	_	1
ER13	12.80 ± 0.20	2.85 ± 0.06	8.70 ± 0.20	5.00 ± 0.10	9.05 ± 0.15	1.75 ± 0.06	11.20 ± 0.20	–	–	–	4
ER13/5.4	12.80 ± 0.20	2.70 ± 0.06	8.70 ± 0.20	5.00 ± 0.10	9.05 ± 0.15	1.60 ± 0.06	11.20 ± 0.20	–	–	–	1
ER13/5.6	12.80 ± 0.20	2.80 ± 0.06	8.70 ± 0.20	5.00 ± 0.10	9.05 ± 0.15	1.70 ± 0.06	11.20 ± 0.20	–	–	–	4
ERI13	12.80 ± 0.20	2.85 ± 0.06	8.70 ± 0.20	5.00 ± 0.10	9.05 ± 0.15	1.75 ± 0.06	11.20 ± 0.20	12.80 ± 0.20	8.70 ± 0.20	1.10± 0.05	3 + 4
ER14.5D	14.50 ± 0.25	3.50 ± 0.10	9.25 ± 0.25	5.80 ± 0.20	–	1.70 ± 0.10	12.20 ± 0.25	–	–	–	4
ER14.5/6	14.50 ± 0.20	2.95 ± 0.05	6.70 ± 0.10	4.70 ± 0.10	11.80 ± 0.20	1.60 ± 0.10	–	–	–	–	2
ER14.5/6.8	14.50 ± 0.20	3.40 ± 0.10	6.70 ± 0.10	4.70 ± 0.10	11.80 ± 0.20	2.10 ± 0.10	–	–	–	–	2
ER14.5/9.4	14.50 ± 0.20	4.70 ± 0.10	6.70 ± 0.10	4.70 ± 0.10	11.80 ± 0.20	3.40 ± 0.10	–	–	–	–	2
ER14.8/6.2	14.80 ± 0.20	3.10 ± 0.10	6.70 ± 0.10	4.70 ± 0.10	12.10 ± 0.20	1.80 ± 0.10	–	–	–	–	2
ER15.2	$15.20^{+0.40}_{-0.10}$	3.10 ± 0.10	6.70 ± 0.20	4.70 ± 0.20	$12.50^{+0.40}_{-0.10}$	1.80 ± 0.15	–	–	–	–	2
ER18	18.00 ± 0.35	3.15 ± 0.10	9.70 ± 0.20	6.20 ± 0.15	13.50min	1.60 ± 0.10	15.60 ± 0.30	–	–	–	4
ER18/7	18.00 ± 0.35	3.50 ± 0.10	9.70 ± 0.20	6.20 ± 0.15	13.50min	1.95 ± 0.10	15.60 ± 0.30	–	–	–	4

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
ER6.8	3.98	9.91	2.49	24.67	0.07
ER7.5/5	2.26	13.06	5.78	75.51	0.35
ERI7.5/4/2.15/0.75	1.65	9.65	5.86	56.55	0.31
ER8/5	2.34	13.97	5.97	83.42	0.45
ER9.5/3.6	1.22	11.14	9.16	102.04	0.48
ER9.5/5	1.56	13.63	8.73	118.99	0.62
ER10B	0.80	13.80	17.21	237.50	1.50
ER10.83	1.39	16.32	11.72	191.32	1.10
ER11/3.9	1.01	12.14	11.92	144.70	0.80
ER11/5	1.17	14.18	12.13	172.00	0.90
ER11.63/5.15	1.29	15.29	11.87	181.49	1.00
ER13	0.91	18.10	19.90	360.00	1.86
ER13/5.4	0.82	16.24	19.82	321.88	1.84
ER13/5.6	0.91	16.60	18.30	303.78	1.88
ERI13	0.64	13.23	20.78	274.69	1.13
ER14.5D	0.64	19.77	30.85	609.89	3.28
ER14.5/6	1.07	18.38	17.13	314.85	1.69
ER14.5/6.8	1.17	20.18	17.18	346.69	1.90
ER14.5/9.4	1.49	25.46	17.13	436.13	2.38
ER14.8/6.2	1.10	19.47	17.63	343.25	0.91
ER15.2	1.15	20.25	17.55	355.33	1.88
ER18	0.67	20.85	31.31	652.81	3.36
ER18/7	0.74	22.37	30.26	676.92	3.78

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)											AL ± 30% (nH/N^2)		
	P4	P41	P42	P45	P451	P452	P47	P51	P61	A05	A07	A10(L)	A121(L)	A151(L)
ER6.8	265													
ER7.5/5	710	690		720	730		720	450	330	950				
ERI7.5/4/2.15/0.75	700						760							
ER8/5	600													
ER9.5/3.6	1090													
ER9.5/5	950	930	740	1060			1040	660		1250	1580	3600	3200min	3700min
ER10B							1910							
ER10.83	1085													
ER11/3.9	1040min	1340		1430			1400				2224	6600		
ER11/5	1400	1370	1180				1560	950		2100	2380	6400	6980	7800
ER11.63/5.15	1100			1270			1250							
ER13	2000	1930	1600				2040	1250						
ER13/5.4	2000		1640	2200			2110							
ER13/5.6			1610	2220			2040							
ERI13	2100	2035	1800				2400	1600						
ER14.5D	2550													
ER14.5/6	1700	1600	1275				1800	1210		2200	2600	6600	8000	6000min
ER14.5/6.8	1300	1280					1720	1000						
ER14.5/9.4	1450													
ER14.8/6.2	1700						1900							
ER15.2				1680										
ER18	2650	2400	2000				2800	1770						
ER18/7	2450		1950	2800			2750							

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

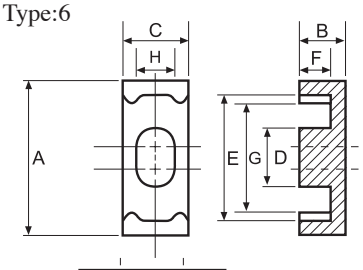
Type : ER Cores (2-2)

Ordering Code: P4 ER18A G□

P4: Material 材質
ER18A: Core Size 品名
G□: Gapped AL Value

Shape:

Type:6



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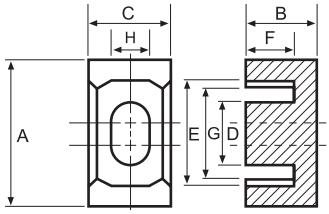
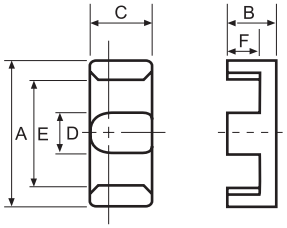


Type:8



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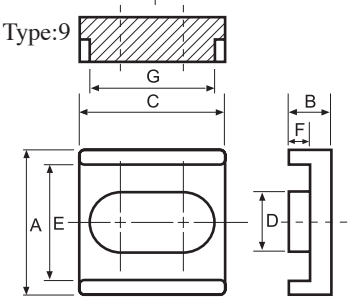
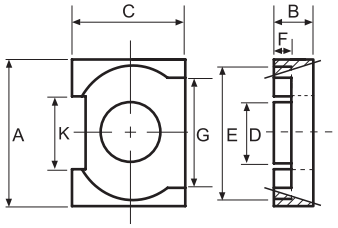


Type:10



■ DIMENSIONS

CORES	DIMENSIONS (mm)											Type
	A	B	C	D	E	F	G	H	A1	C1	I	
ER18A	18.00 ± 0.35	4.00 ± 0.10	10.00 ± 0.20	7.20 ± 0.10	14.00 ± 0.20	2.00 ± 0.10	–	–	–	–	–	2
ER18D/7.2	18.00 ± 0.35	3.60 ± 0.15	6.00 ± 0.20	6.00 ± 0.15	14.40 ± 0.30	1.60 ± 0.15	–	–	–	–	–	5
ERI18D/10/2.2/1	18.00 ± 0.35	2.20 ± 0.10	10.00 ± 0.20	5.00 ± 0.15	13.50 ± 0.35	1.00 ± 0.15	15.60 ± 0.35	–	18.00 ± 0.35	10.00 ± 0.20	1.00 ± 0.08	3 + 4
ER18.2D	18.20 ± 0.20	8.50 ± 0.15	5.20 ± 0.10	5.20 ± 0.10	13.00min	6.00 ± 0.15	$4.00^{+0.30}_{-0.10}$	–	–	–	–	2
ER18.8/14.5	19.05 ± 0.25	3.45 ± 0.10	14.75 ± 0.25	6.80 ± 0.10	16.30 ± 0.15	2.20 ± 0.10	–	–	–	–	–	2
ER19	19.00 ± 0.35	8.00 ± 0.20	5.50 ± 0.20	5.10 ± 0.20	14.50 ± 0.30	5.65 ± 0.15	–	–	–	–	–	2
ER19.1	19.10 ± 0.25	2.87 ± 0.13	14.40 ± 0.18	6.43 ± 0.15	16.46 ± 0.20	1.65min	–	–	–	–	–	2
ER19.8	19.80 ± 0.30	4.30 ± 0.15	6.60 ± 0.15	6.00 ± 0.20	14.90min	2.10 ± 0.15	15.80 ± 0.35	–	–	–	–	4
ER20/16.4	20.00 ± 0.30	8.20 ± 0.15	14.00 ± 0.30	8.80 ± 0.15	13.10 ± 0.25	6.00 ± 0.10	18.00 ± 0.30	–	–	–	–	4
ER20M	20.00 ± 0.35	3.00 ± 0.10	10.00 ± 0.20	6.20 ± 0.20	17.00 ± 0.30	1.65 ± 0.10	–	–	–	–	–	2
ERI20	20.00 ± 0.30	5.70 ± 0.10	14.00 ± 0.30	8.80 ± 0.15	13.10 ± 0.25	3.50 ± 0.15	18.00 ± 0.30	–	20.00 ± 0.30	14.00 ± 0.30	2.20 ± 0.05	3 + 4
ERI20/14/8.2/2.2	20.00 ± 0.30	8.20 ± 0.10	14.00 ± 0.30	8.80 ± 0.15	13.10 ± 0.25	6.00 ± 0.10	18.00 ± 0.30	–	20.00 ± 0.30	14.00 ± 0.30	2.20 ± 0.05	3 + 4
ER20.5/12.5	20.50 ± 0.30	6.25 ± 0.20	9.40 ± 0.20	7.50 ± 0.20	17.00 ± 0.30	4.30 ± 0.15	14.00min	5.50 ± 0.15	–	–	–	6
ER21.2	21.20 ± 0.40	9.00 ± 0.15	7.80 ± 0.15	5.66 ± 0.20	15.90 ± 0.40	6.50 ± 0.20	–	–	–	–	–	8
ERI22.2/15.8/6.7/2.5	22.20 ± 0.30	6.70 ± 0.10	15.80 ± 0.30	10.00 ± 0.20	18.20 ± 0.30	4.20 ± 0.15	–	–	22.20 ± 0.30	15.80 ± 0.30	2.50 ± 0.05	2 + 3
ER22.6/8.9	22.60 ± 0.40	4.45 ± 0.15	6.50 ± 0.25	6.50 ± 0.15	17.50 ± 0.35	2.10 ± 0.10	–	–	–	–	–	1
ERI22.7/14/7.1/2.2	22.75 ± 0.25	7.10 ± 0.10	14.00 ± 0.30	8.80 ± 0.15	15.40min	4.90 ± 0.15	20.25 ± 0.25	–	22.75 ± 0.25	14.00 ± 0.30	2.20 ± 0.10	3 + 4
ER23	23.20 ± 0.45	3.60 ± 0.10	12.50 ± 0.25	8.00 ± 0.20	17.50min	1.60 ± 0.15	20.20 ± 0.40	–	–	–	–	4
ER25	25.00 ± 0.40	6.05 ± 0.10	18.00 ± 0.30	11.00 ± 0.20	14.50min	3.55 ± 0.15	22.00 ± 0.40	–	–	–	–	4
ER25/8.2	25.00 ± 0.40	4.10 ± 0.10	18.00 ± 0.30	11.00 ± 0.20	14.50min	1.70 ± 0.15	22.00 ± 0.40	–	–	–	–	4
ERI25	25.00 ± 0.40	6.05 ± 0.10	18.00 ± 0.30	11.00 ± 0.20	14.50min	3.55 ± 0.15	22.00 ± 0.40	–	25.00 ± 0.40	18.00 ± 0.30	2.30 ± 0.05	3 + 4
ERI25F	25.00 ± 0.50	5.50 ± 0.10	14.80 ± 0.30	9.40 ± 0.20	18.30min	3.10 ± 0.10	21.70 ± 0.40	–	25.00 ± 0.50	14.80 ± 0.30	2.50 ± 0.10	3 + 4

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
ER18A	0.57	22.98	40.20	923,80	5.00
ER18D/7.2	0.90	22.27	24.85	553.47	2.84
ERI18D/10/2.2/1	1.25	16.50	13.16	217.14	5.87
ER18.2D	1.75	40.59	23.26	944.02	4.70
ER18.8/14.5	0.64	23.98	37.45	897.86	4.99
ER19	1.34	33.89	25.34	858.77	4.80
ER19.1	0.67	23.47	35.28	828.09	2.12
ER19.8	0.95	26.43	27.70	732.11	3.94
ER20/16.4	0.60	42.05	58.98	2480.11	15.08
ER20M	0.81	23.11	28.66	662.30	3.50
ERI20	0.40	23.80	59.80	1425.00	7.99
ERI20/14/8.2/2.2	0.48	30.08	59.55	1791.26	10.54
ER20.5/12.5	0.96	34.07	35.42	1206.76	7.00
ER21.2	1.36	43.65	32.06	1399.42	8.64
ERI22.2/15.8/6.7/2.5	0.38	27.60	72.54	2002.10	11.17
ER22.6/8.9	0.83	26.83	32.09	860.77	4.54
ERI22.7/14/7.1/2.2	0.50	30.21	60.80	1836.77	9.44
ER23	0.48	25.08	51.79	1298.89	6.94
ER25	0.31	31.84	103.60	3298.60	17.56
ER25/8.2	0.28	24.89	88.99	2214.96	13.30
ERI25	0.29	26.40	89.70	2370.00	13.57
ERI25F	0.40	28.10	70.40	1978.24	10.40

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)									
	P4	P41	P42	P45	P451	P452	P47	P48	P51	P61
ER18A				4100		4000	4000			
ER18D/7.2	2000									
ERI18D/10/2.2/1					1500					
ER18.2D							1650			
ER18.8/14.5	2900	2800							1790	
ER19	1400									
ER19.1		2500								
ER19.8	1900						2150			
ER20/16.4	3370			3590			3500			
ER20M										1000
ERI20	5000	4860	3500	5100			5000		3060	
ERI20/14/8.2/2.2	3900			4380			4300			
ER20.5/12.5	2100									
ER21.2	1400									
ERI22.2/15.8/6.7/2.5		5000								
ER22.6/8.9							2460			
ERI22.7/14/7.1/2.2										
ER23	3465	3400							2550	
ER25	5800	5700	4880				7200		4220	
ER25/8.2		7000								
ERI25	7000	6810	4870				7500		4240	
ERI25F								5000		

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

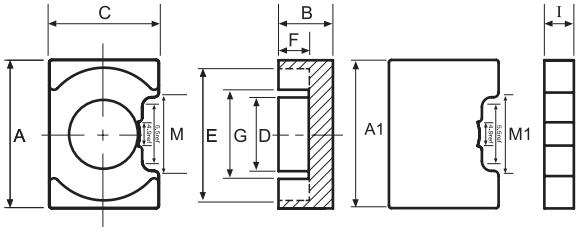
Type : ER Cores (2-3)

Ordering Code: P4 ER22.6/8.9 G□

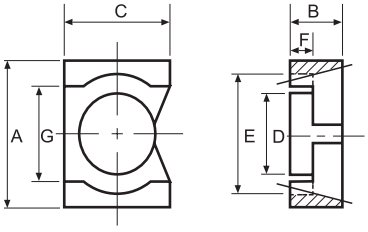
P4: Material 材質
ER22.6/8.9: Core Size 品名
G□: Gapped AL Value

Shape:

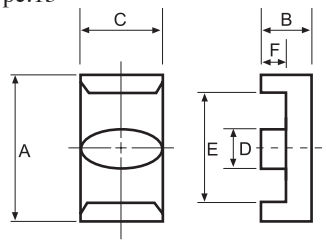
Type:11



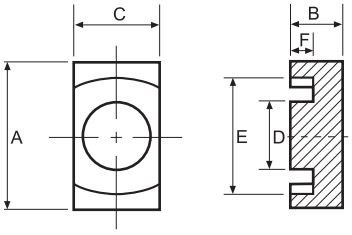
Type:12



Type:13



Type:14



■ DIMENSIONS

CORES	DIMENSIONS (mm)												Type
	A	B	C	D	E	F	G	H	K	A1	C1	I	
ERI25.4/19/6.8/2.4	25.40 ± 0.50	6.80 ± 0.15	19.00 ± 0.35	10.00 ± 0.25	20.00min	4.40 ± 0.20	–	–	–	25.40 ± 0.50	19.00 ± 0.35	2.40 ± 0.15	2 + 3
ER25.5	25.50 ± 0.50	4.60 ± 0.10	7.50 ± 0.30	7.50 ± 0.20	19.80min	2.00 ± 0.15	–	–	–	–	–	–	1
ER25.5A	25.50 ± 0.40	5.25 ± 0.10	9.80 ± 0.15	8.20 ± 0.15	16.70 ± 0.30	3.25 ± 0.15	18.50 ± 0.30	–	–	–	–	–	1
ER25.7	25.70 ± 0.40	5.25 ± 0.15	25.35 ± 0.40	6.50 ± 0.20	19.50 ± 0.40	3.00 ± 0.15	24.35 ± 0.35	–	–	–	–	–	9
ER26.6	26.60 ± 0.50	5.00 ± 0.15	10.80 ± 0.30	11.00 ± 0.25	22.40 ± 0.50	2.80 ± 0.15	–	6.00 ± 0.20	–	–	–	–	7
ER27A	27.00 ± 0.40	4.95 ± 0.15	14.50 ± 0.30	10.70 ± 0.20	16.50min	2.10 ± 0.15	22.50 ± 0.40	–	–	–	–	–	1
ER27B	27.00 ± 0.40	4.95 ± 0.15	12.50 ± 0.30	10.00 ± 0.20	–	2.10 ± 0.15	22.50 ± 0.40	–	–	–	–	–	1
ER28A	28.00 ± 0.50	5.60 ± 0.20	22.65 ± 0.50	11.00 ± 0.20	24.20 ± 0.50	3.00 ± 0.20	19.80 ± 0.40	–	13.10 ± 0.40	–	–	–	10
ERI28	28.00 ± 0.35	6.20 ± 0.15	12.00 ± 0.25	9.00 ± 0.20	21.50 ± 0.35	3.60 ± 0.15	–	23.40 ± 0.35	–	28.00 ± 0.35	12.00 ± 0.25	2.60 ± 0.15	1 + 3
ER29.8	29.80 ± 0.80	4.85 ± 0.10	9.50 ± 0.30	7.87 ± 0.25	24.00 ± 0.75	2.03 ± 0.13	–	–	–	–	–	–	2
ER29.8A	29.80 ± 0.80	4.60 ± 0.20	9.50 ± 0.30	9.50 ± 0.30	20.40min	1.80 ± 0.15	22.70 ± 0.70	–	–	–	–	–	4
ER30/8	30.00 ± 0.40	8.00 ± 0.15	20.00 ± 0.30	11.00 ± 0.20	19.45 ± 0.30	5.30 ± 0.20	26.00 ± 0.30	–	–	–	–	–	4
ER30D	30.00 ± 0.40	6.00 ± 0.15	20.00 ± 0.30	11.00 ± 0.20	19.45 ± 0.30	3.30 ± 0.15	26.00 ± 0.30	–	–	–	–	–	1
ERI30.3	30.30 ± 0.45	12.00 ± 0.20	19.50 ± 0.30	13.00 ± 0.20	18.50min	8.70 ± 0.20	26.00 ± 0.40	–	–	30.30 ± 0.45	19.50 ± 0.30	3.30 ± 0.10	3 + 4
ER32B	32.00 ± 0.40	6.35 ± 0.13	20.35 ± 0.30	12.05 ± 0.25	22.66min	3.18 ± 0.20	28.93min	–	–	–	–	–	4
ERI32	32.00 ± 0.50	13.50 ± 0.25	23.00 ± 0.40	15.00 ± 0.20	27.00 ± 0.30	7.65 ± 0.35	18.00 ± 0.30	–	–	32.00 ± 0.50	23.00 ± 0.40	6.00 ± 0.25	11
ER33	33.00 ± 0.50	4.70 ± 0.10	24.00 ± 0.40	17.20 ± 0.35	25.50 ± 0.50	2.90 ± 0.10	≤ 21.00	–	–	–	–	–	7
ER33/60	33.00 ± 0.50	30.00 ± 0.20	24.00 ± 0.40	17.20 ± 0.35	25.50 ± 0.50	25.00 ± 0.20	21.00max	–	–	–	–	–	12
ERI36A	36.00 ± 0.50	10.90 ± 0.20	24.00 ± 0.50	13.20 ± 0.20	22.00min	7.80 ± 0.15	31.20 ± 0.50	–	–	36.00 ± 0.50	24.00 ± 0.50	3.10 ± 0.20	3 + 4
ER40A	40.00 ± 0.70	22.40 ± 0.30	13.30 ± 0.30	13.30 ± 0.30	29.00min	15.40 ± 0.30	–	–	–	–	–	–	14
ER40B	40.00 ± 0.70	22.40 ± 0.20	13.40 ± 0.35	13.30 ± 0.25	29.60± 0.60	15.45 ± 0.35	–	–	–	–	–	–	14
ER42	42.00 ± 0.80	7.25 ± 0.15	$14.00^{+0.20}_{-0.30}$	7.00 ± 0.20	34.80min	4.50 ± 0.15	–	–	–	–	–	–	13
ER63	62.80 ± 0.80	19.40 ± 0.20	32.10 ± 0.30	21.60 ± 0.30	50.80 ± 0.80	12.80 ± 0.20	–	–	–	–	–	–	2
ER64/26	64.00 ± 0.80	12.85 ± 0.15	50.80 ± 0.70	25.40 ± 0.40	53.50 ± 0.70	6.40 ± 0.20	–	–	–	–	–	–	2

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
ERI25.4/19/6.8/2.4	0.34	30.77	90.45	2783.14	14.51
ER25.5	0.70	28.80	41.21	1186.73	6.18
ER25.5A	0.67	31.83	47.24	1503.59	8.92
ER25.7	0.25	33.00	131.74	4347.60	22.50
ER26.6	0.93	30.70	33.00	1013.10	8.70
ER27A	0.36	31.15	85.60	2666.93	14.56
ER27B	0.41	31.00	75.20	2331.20	12.22
ER28A	0.36	36.48	106.49	3884.76	22.10
ERI28	0.51	32.30	63.26	2043.48	10.47
ER29.8	0.50	24.19	48.39	1170.35	10.32
ER29.8A	0.53	31.40	59.60	1871.44	10.00
ER30/8	0.38	43.22	113.39	4900.00	28.00
ER30D	0.32	35.40	110.00	3894.00	22.10
ERI30.3	0.33	43.78	131.55	5759.00	28.23
ER32B	0.35	42.12	119.84	5048.29	26.60
ERI32	0.23	43.90	195.00	8561.00	51.80
ER33	0.62	28.70	46.33	1329.40	10.26
ER33/60	0.54	130.08	239.55	31160.66	149.10
ERI36A	0.31	46.98	151.29	7107.78	38.43
ER40A	0.64	97.50	152.00	14820.00	40.06
ER40B	0.66	98.00	149.00	14602.00	72.42
ER42	0.30	47.85	59.96	2869.32	11.10
ER63	0.27	104.58	389.13	40696.00	222.60
ER64/26	0.15	90.29	584.20	52750.00	279.54

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)									
	P4	P41	P42	P45	P451	P452	P47	P48	P51	P61
ERI25.4/19/6.8/2.4							6300			
ER25.5	3000									
ER25.5A	2850	2500					3125			
ER25.7	7800						8900			
ER26.6							3000			
ER27A				6070						
ER27B				5350						
ER28A		6000					7000			
ERI28	3200									
ER29.8		3700								
ER29.8A								4000		
ER30/8	4300	4100					5000			
ER30D				6300						
ERI30.3									4800	
ER32B								5500		
ERI32							11000			
ER33	4100									
ER33/60							6500			
ERI36A	6500	6300		7800			7400			
ER40A	3300									
ER40B							4390			
ER42	3100									
ER63	8355									
ER64/26							13000			

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

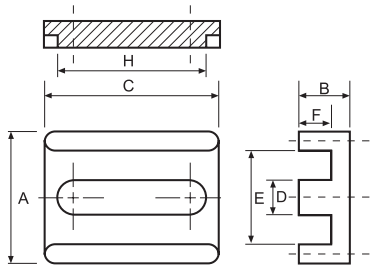
Type : ERX Cores

Ordering Code: P47 ERX13 G□

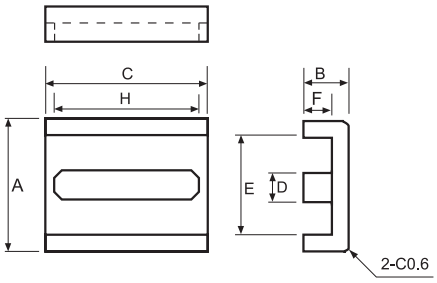
Material 材質 | Core Size 品名 | Gapped AL Value

Shape:

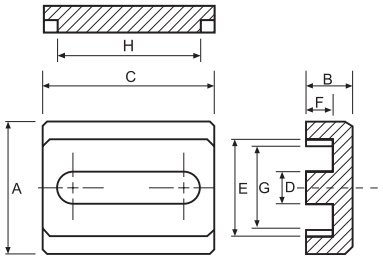
Type:1



Type:2



Type:3



■ DIMENSIONS

CORES	DIMENSIONS (mm)								Type
	A	B	C	D	E	F	G	H	
ERX12.2/25.2/5.1	12.20 ± 0.25	5.10 ± 0.15	25.20 ± 0.40	2.90 ± 0.10	8.55min	3.60 ± 0.15	7.60min	21.90 ± 0.30	3
ERX13	13.00 ± 0.25	5.15 ± 0.15	26.00 ± 0.40	3.00 ± 0.10	9.50 ± 0.25	3.75 ± 0.15	–	23.40 ± 0.40	2
ERX13A/28/5.3	13.00 ± 0.40	5.30 ± 0.15	28.00 ± 0.50	3.20 ± 0.20	9.80 ± 0.30	3.50 ± 0.20	–	25.80 ± 0.50	1
ERX26	12.10 ± 0.25	$4.95^{+0.20}_{-0.10}$	26.00 ± 0.40	3.00 ± 0.10	8.60 ± 0.25	3.75 ± 0.15	–	23.40 ± 0.40	2

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
ERX12.2/25.2/5.1	0.35	24.73	70.87	1752.62	10.42
ERX13	0.35	25.86	74.81	1934.59	9.90
ERX13A/28/5.3	0.29	25.73	89.19	2295.09	12.16
ERX26	0.33	24.96	74.94	1870.50	6.10

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)									
	P4	P41	P45	P451	P47	P48	P5	P51	P52	N42
ERX12.2/25.2/5.1					5720					
ERX13					4800					
ERX13A/28/5.3					5500					
ERX26	5000									

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. Customized dimensions are available.

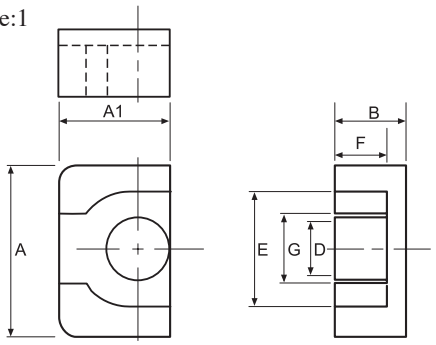
Type : EPO Cores

Ordering Code: P4 EPO13 G□

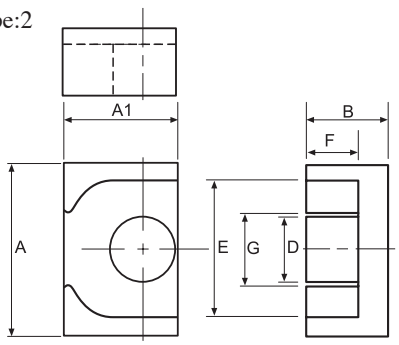
Material 材質 | Core Size 品名 | Gapped AL Value

Shape:

Type:1



Type:2



■ DIMENSIONS

CORES	DIMENSIONS (mm)							Type
	A	B	A1	D	E	F	G	
EPO11.5	11.50 ± 0.30	5.20 ± 0.10	6.10 ± 0.20	3.30 ± 0.15	9.40 ± 0.20	3.70 ± 0.10	5.85ref	2
EPO13	12.50 ± 0.30	6.43 ± 0.10	7.20 ± 0.20	4.35 ± 0.15	10.00 ± 0.30	4.60 ± 0.10	5.90 ± 0.15	1

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EPO11.5	2.26	21.42	9.46	202.63	2.00
EPO13	1.34	25.80	19.30	497.94	3.08

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N²)					AL ± 30% (nH/N²)			
	P4	P5	N42	A05	A05(L)	A10(L)	A101(L)	A12	A12(L)
EPO11.5			1000						
EPO13	1550					6700	6700	7700	

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. Customized dimensions are available.

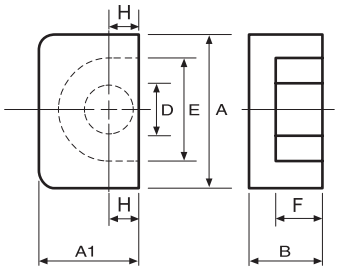
Type : EP Cores

Ordering Code: P4 — EP7 — G□

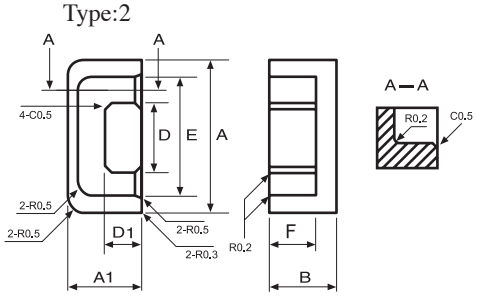
P4	EP7	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

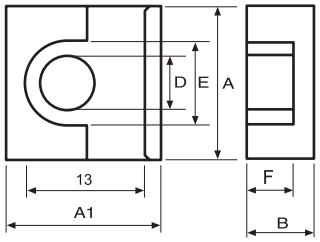
Type:1



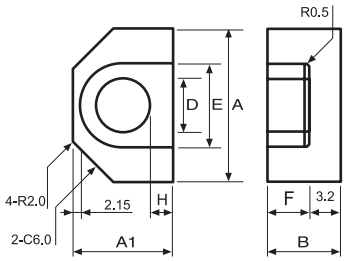
Type:2



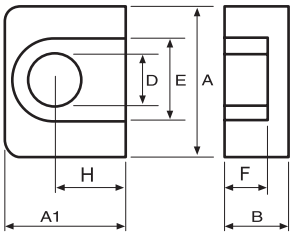
Type:3



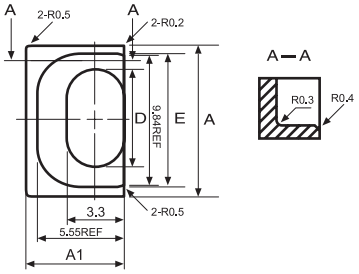
Type:4



Type:5



Type:6



■ DIMENSIONS

CORES	DIMENSIONS (mm)							Type
	A	A1	B	D	E	F	H	
EP5	6.00 ± 0.15	3.80 ± 0.10	2.80 ± 0.05	1.70 ± 0.10	4.40 ± 0.15	2.00 ± 0.10	–	1
EP5-1	6.00 ± 0.15	3.80 ± 0.10	3.40 ± 0.05	1.70 ± 0.10	4.40 ± 0.15	2.60 ± 0.10	–	1
EP5.4	5.40 ± 0.10	3.40 ± 0.08	2.80 ± 0.10	1.55 ± 0.06	4.00 ± 0.15	2.00 ± 0.10	1.57 (ref)	1
EP7	9.20 ± 0.20	6.35 ± 0.15	$3.75^{+0.00}_{-0.10}$	3.30 ± 0.10	7.40 ± 0.20	2.60 ± 0.10	–	1
EP7-1	9.20 ± 0.20	6.35 ± 0.15	4.75 ± 0.05	3.30 ± 0.10	7.40 ± 0.20	3.60 ± 0.10	1.70 (ref)	1
EP7A	9.20 ± 0.20	6.35 ± 0.15	$3.75^{+0.00}_{-0.10}$	3.30 ± 0.10	7.40 ± 0.20	2.60 ± 0.10	1.70 ± 0.10	1
EP7C	9.40 ± 0.20	6.50 ± 0.15	3.70 ± 0.10	3.30 ± 0.10	7.40min	2.60 ± 0.10	–	1
EP10	11.50 ± 0.30	7.65 ± 0.20	$5.20^{+0.00}_{-0.10}$	3.30 ± 0.15	9.40 ± 0.20	3.70 ± 0.10	–	1
EP11.8	11.80 ± 0.30	7.70 ± 0.20	5.10 ± 0.20	3.30 ± 0.20	9.70 ± 0.20	3.80 ± 0.20	–	1
EP13	12.50 ± 0.30	8.80 ± 0.20	$6.50^{+0.00}_{-0.15}$	4.35 ± 0.15	10.10 ± 0.20	4.60 ± 0.10	–	1
EP13.3	13.30 ± 0.20	5.50 ± 0.15	6.50 ± 0.10	5.60 ± 0.10	10.80 ± 0.20	4.55 ± 0.10	–	2
EP14.4/14.5	14.40 ± 0.25	9.70 ± 0.25	7.25 ± 0.15	4.35 ± 0.15	12.00 ± 0.20	5.35 ± 0.10	2.50 (ref)	1
EP15.2A	11.30 ± 0.20	6.25 ± 0.15	7.60 ± 0.10	5.65 ± 0.15	9.80min	6.55 ± 0.15	–	6
EP16	16.00 ± 0.25	16.00 ± 0.25	4.40 ± 0.10	7.89 ± 0.20	13.00 ± 0.25	2.40 ± 0.20	–	3
EP17	18.00 ± 0.40	11.00 ± 0.20	8.40 ± 0.20	5.68 ± 0.18	12.00 ± 0.40	5.65 ± 0.15	–	1
EP25.6	25.60 ± 0.50	21.40 ± 0.40	17.45 ± 0.20	9.70 ± 0.20	19.00 ± 0.30	14.25 ± 0.20	9.75 ± 0.20	4
EP31	31.00 ± 0.50	30.00 ± 0.45	9.50 ± 0.15	14.60 ± 0.30	25.80 ± 0.50	5.50 ± 0.15	15.00 (ref)	5

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EP5	3.20	9.70	3.00	28.70	0.46
EP5-1	3.60	10.80	3.00	32.40	0.46
EP5.4	3.71	9.28	2.50	23.20	0.40
EP7	1.52	15.70	10.30	162.00	1.42
EP7-1	1.68	17.96	10.66	191.45	1.42
EP7A	1.52	15.70	10.30	161.71	1.38
EP7C	1.44	15.37	10.67	164.00	1.44
EP10	1.70	19.20	11.30	217.00	2.92
EP11.8	1.77	19.63	11.10	217.90	3.10
EP13	1.24	24.20	19.50	472.00	4.86
EP13.3	1.40	24.42	17.35	423.68	3.14
EP14.4/14.5	1.44	27.56	19.14	527.50	6.10
EP15.2A	2.80	34.18	12.18	416.32	3.36
EP16	0.37	19.75	54.09	1068.05	9.54
EP17	0.84	28.70	34.00	970.00	11.60
EP25.6	0.67	59.98	89.43	5364.52	51.80
EP31	0.22	42.08	190.89	8032.65	54.90

ELECTRICAL CHARACTERISTICS

CORES	AL + 30% - 20% (nH/N^2)						AL + 40% - 30% (nH/N^2)				
	P4	P47	P5	N42	A05	A05(L)	A101	A101(L)	A121	A121(L)	A151(L)
EP5	400 ± 25%	450 ± 25%	380 ± 25%	500 ± 25%	530 ± 25%		600	1900	650	2050	1582min
EP5-1	380 ± 25%	390 ± 25%		450 ± 25%				1850			
EP5.4		330									
EP7	1100	1200	1000	1350 ± 25%	1600 ± 25%	3500	2050	5200	2100	3900min	4430min
EP7-1	1000 ± 25%	1100 ± 25%	900 ± 25%	1380	1450 ± 25%		1980				
EP7A								3900min			
EP7C	1100										
EP10	1000	1110 ± 25%	950	1270 ± 25%	1600 ± 25%	3400	2050 ± 30%	4800	2150	3950min	4400min
EP11.8											4200min
EP13	1600	1780 ± 25%	1430		2800	4400	3300	7000	3500	5800min	7000min
EP13.3											5850min
EP14.4/14.5		1750 (P45)									
EP15.2A											
EP16	4500										
EP17	2500	2650 ± 25%	2300± 25%	3060 ± 25%	3970 ± 25%			11000		12600	14000
EP25.6	3500										
EP31	9300 ± 25%	10500 ± 25%		12800 ± 25%							

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

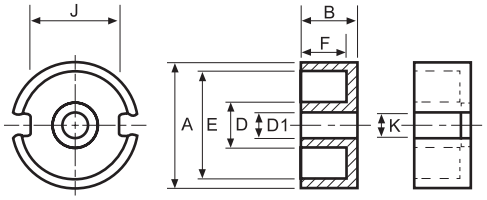
Type : CUT Cores

Ordering Code: P4 | CUT14x8 | G□

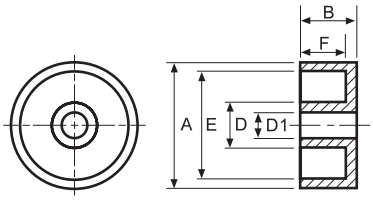
- P4 — Material 材質
- CUT14x8 — Core Size 品名
- G□ — Gapped AL Value

Shape:

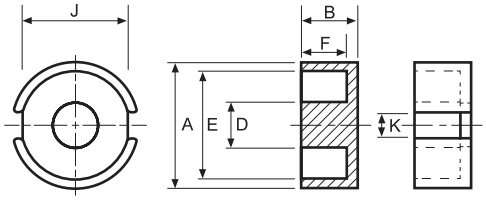
Type:1



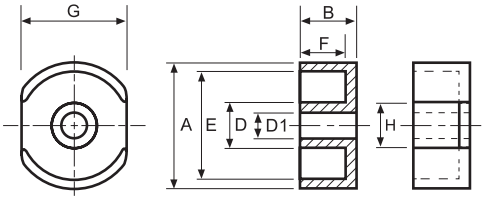
Type:2



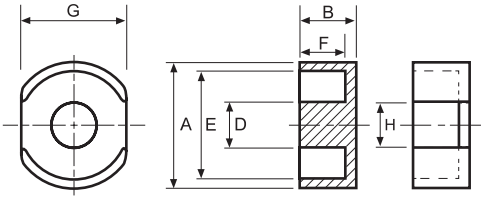
Type:3



Type:4



Type:5



■ DIMENSIONS

CORES	DIMENSIONS (mm)										Type
	A	B	D	E	F	J	K	D1	G	H	
CUT14x8	14.00 ± 0.25	4.18 ± 0.08	6.09max	11.60min	2.79min	9.50 ± 0.60	3.30 ± 0.60	–	9.55 ± 0.15	7.60min	3 + 5
CUT14x8CH	14.00 ± 0.25	4.18 ± 0.08	6.09max	11.60min	2.79min	9.50 ± 0.60	3.30 ± 0.60	3.10 ± 0.07	9.55 ± 0.15	7.60min	1 + 4
CUT18x11CH	17.90 ± 0.30	5.30 ± 0.07	7.40 ± 0.15	15.25 ± 0.25	3.80 ± 0.10	11.55 ± 0.30	3.20± 0.30	3.02± 0.07	11.90 ± 0.20	10.50min	1 + 4
CUT23x11CH	22.86 ± 0.45	5.53 ± 0.25	9.90max	17.93min	3.63min	–	–	5.08 ± 0.10	15.24 ± 0.25	13.21min	2 + 4
DCUT5.7	5.70 ± 0.15	1.60 ± 0.10	2.40 ± 0.10	4.70 ± 0.20	1.03 ± 0.10	–	–	–	4.13 ± 0.15	2.75min	5
DCUT14x8	14.00 ± 0.25	4.18 ± 0.06	6.09max	11.60min	2.79min	–	–	–	9.55 ± 0.15	7.60min	5
DCUT14x8CH	14.00 ± 0.25	4.18 ± 0.08	6.09max	11.60min	2.79min	–	–	3.10 ± 0.07	9.55 ± 0.15	7.60min	4
DCUT18x11	17.90 ± 0.30	5.30 ± 0.10	7.40 ± 0.15	15.25 ± 0.25	3.80 ± 0.10	–	–	–	11.90 ± 0.20	10.50min	5
DCUT18x11CH	17.90 ± 0.30	5.30 ± 0.07	7.40 ± 0.15	15.25 ± 0.25	3.80 ± 0.10	–	–	3.02 ± 0.07	11.90 ± 0.20	10.50min	4
DCUT21.6	21.60 ± 0.40	4.10 ± 0.25	9.40 ± 0.20	17.50 ± 0.30	2.35 ± 0.15				15.20 ± 0.25	10.95ref	5
DCUT21.6Ax13.4CH	21.60 ± 0.30	6.70 ± 0.10	9.20 ± 0.20	18.20 ± 0.20	4.75 ± 0.15	–	–	4.55 ± 0.10	14.80 ± 0.20	–	4
DCUT22.9x15.2	22.90 ± 0.45	5.55 ± 0.15	9.75 ± 0.15	18.25 ± 0.30	3.75 ± 0.15	–	–	–	15.20 ± 0.25	10.95ref	5
DCUT30	30.20 ± 0.50	9.50 ± 0.10	12.50 ± 0.20	24.70 ± 0.40	6.60 ± 0.10	–	–	–	20.50 ± 0.25	16.80 ± 0.25	5
DCUT30Ax14	30.00 ± 0.50	7.00 ± 0.10	13.20 ± 0.20	25.70 ± 0.40	4.70 ± 0.15	–	–	–	20.30 ± 0.25	17.80min	5
DCUT33.2x11	33.20 ± 0.50	5.56 ± 0.15	13.50 ± 0.25	26.60 ± 0.40	3.25 ± 0.15	–	–	–	23.70 ± 0.40	≥ 18.20	5
DCUT33.2x12	33.20 ± 0.50	6.10 ± 0.15	13.50 ± 0.20	26.60 ± 0.40	3.20 ± 0.15	–	–	–	23.70 ± 0.30	18.20min	5
DCUT33.2Ax18.9	33.20 ± 0.50	9.45 ± 0.15	13.40 ± 0.20	26.80 ± 0.40	6.65 ± 0.15				23.70 ± 0.30	18.20min	5
DCUT40x13.5	39.80 ± 0.50	6.75 ± 0.15	16.00 ± 0.25	33.30 ± 0.50	4.35 ± 0.15	–	–	–	28.30 ± 0.35	21.00min	5

* CUT Core = 1 PC POT Core + 1 PC CUT Core.
* DCUT Core = 2 PCS CUT Cores.

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
CUT14x8	0.71	20.90	29.20	610.00	2.91
CUT14x8CH	0.91	21.10	23.30	492.00	2.66
CUT18x11CH	0.67	27.20	40.60	1110.00	5.40
CUT23x11CH	0.47	28.60	61.00	1744.60	11.94
DCUT5.7	1.86	8.81	4.74	41.78	0.20
DCUT14x8	0.70	21.00	29.90	627.90	2.91
DCUT14x8CH	1.02	22.50	22.00	495.00	2.66
DCUT18x11	0.72	29.75	41.14	1224.00	5.52
DCUT18x11CH	0.78	27.20	35.00	952.00	6.00
DCUT21.6	0.42	25.82	61.11	1577.86	8.50
DCUT21.6Ax13.4CH	0.69	36.27	52.83	1916.14	4.90
DCUT22.9x15.2	0.54	35.10	64.90	2278.08	12.14
DCUT30	0.45	50.20	111.00	5572.20	30.96
DCUT30Ax14	0.40	41.98	104.93	4404.96	11.21
DCUT33.2x11	0.28	36.70	131.90	4836.40	25.10
DCUT33.2x12	0.27	39.01	146.09	5698.97	37.12
DCUT33.2Ax18.9	0.36	52.62	144.58	7607.80	39.20
DCUT40x13.5	0.27	44.00	161.00	7084.00	40.60

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)											AL + 40% - 30% (nH/N^2)	
	P4	P45	P451	P452	P47	P53	P61	N4	N42	N43	A05	A10(L)	A121(L)
CUT14x8	2180	2650			2600			2180				5490 ± 30%	6220 ± 30%
CUT14x8CH	1650							1650			2500+30%-25%	8000	
CUT18x11CH	2500				3100			2500	3600		4800+30%-25%	10000	
CUT23x11CH	4600												
DCUT5.7					630								
DCUT14x8	2000				2430								
DCUT14x8CH													
DCUT18x11					2800								
DCUT18x11CH	2500				2800								
DCUT21.6					4900								
DCUT21.6Ax13.4CH	3400												
DCUT22.9x15.2	3600				4150								
DCUT30	5500				6400			5500					
DCUT30Ax14	5150				6000								
DCUT33.2x11					7000								
DCUT33.2x12					8600								
DCUT33.2Ax18.9					6400 (P48)								
DCUT40x13.5	8500												

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : POT Cores

Ordering Code: P4 | POT14x8 | G□

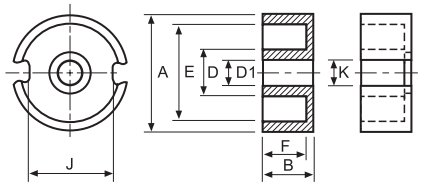
P4 — Material 材質

POT14x8 — Core Size 品名

G□ — Gapped AL Value

Shape:

Type:1



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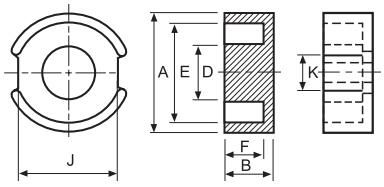
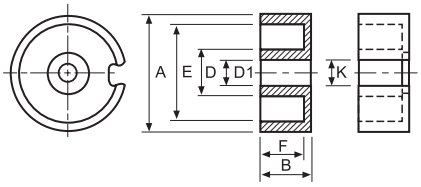


Type:3



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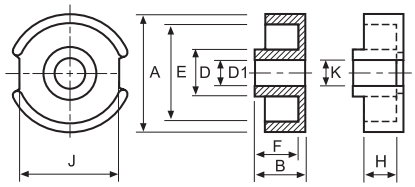

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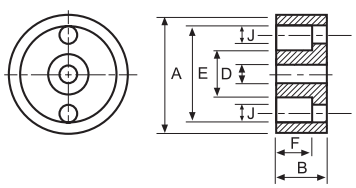
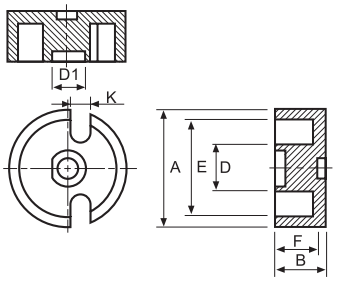
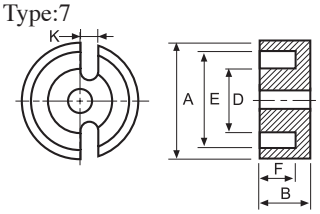


Type:6



Type:7



■ DIMENSIONS

CORES	DIMENSIONS (mm)									Type
	A	B	D	E	F	J	K	D1	H	
POT3.35x2.6	3.30 $^{+0.15}_{-0.05}$	1.30 ± 0.10	1.10 $^{+0.12}_{-0.08}$	2.60 $^{+0.15}_{-0.05}$	0.85 $^{+0.20}_{-0.00}$	–	–	–	–	2
POT5.5x8	5.50 $^{+0.00}_{-0.30}$	4.00 $^{+0.00}_{-0.15}$	2.35 ± 0.10	4.50 $^{+0.00}_{-0.30}$	3.28 ± 0.10	4.29 ± 0.15	1.50 ± 0.10	–	–	2
POT7.35x7CH	7.35 ± 0.15	3.50 ± 0.10	3.00 ± 0.10	6.00 ± 0.15	2.50 ± 0.10	–	2.10 ± 0.30	1.00 ± 0.10	–	3
POT7.35A/3.6CH	7.35 $^{+0.00}_{-0.40}$	3.60 ± 0.15	3.00 $^{+0.00}_{-0.20}$	5.80 $^{+0.00}_{-0.30}$	2.80 $^{+0.30}_{-0.00}$	4.35 ± 0.20	1.30 $^{+0.40}_{-0.00}$	1.05 $^{+0.20}_{-0.00}$	–	4
POT8.8	9.00 ± 0.20	4.60 ± 0.15	3.00 ± 0.10	7.40 ± 0.20	3.10 ± 0.15	–	1.80 ± 0.25	2.60 ± 0.10	–	6
POT9x5	9.15 ± 0.15	2.65 ± 0.05	3.80 ± 0.10	7.62 $^{+0.13}_{-0.12}$	1.87 $^{+0.08}_{-0.07}$	5.65 ± 0.15	2.10 ± 0.30	–	–	2
POT9x5CH	9.15 ± 0.15	2.65 ± 0.05	3.80 ± 0.10	7.62 $^{+0.13}_{-0.12}$	1.87 $^{+0.08}_{-0.07}$	5.65 ± 0.15	2.10 ± 0.30	1.95 ± 0.05	–	4
POT9x5ACH	9.00 ± 0.15	3.50 ± 0.10	3.80 ± 0.10	7.63 ± 0.13	2.50 ± 0.05	5.65 ± 0.15	2.10 ± 0.30	2.00 $^{+0.10}_{-0.00}$	–	4
POT11x7	11.10 ± 0.20	3.30 $^{+0.08}_{-0.07}$	4.60 ± 0.10	9.20 ± 0.20	2.30 $^{+0.08}_{-0.07}$	6.80 ± 0.25	2.20 ± 0.30	–	–	2
POT11x7CH	11.10 ± 0.22	3.30 $^{+0.08}_{-0.07}$	4.60 ± 0.10	9.20 ± 0.20	2.30 $^{+0.08}_{-0.07}$	6.80 ± 0.25	2.20 ± 0.30	2.10 ± 0.10	–	4
POT13.8	13.80 ± 0.20	5.50 ± 0.15	5.20 ± 0.15	11.50 ± 0.20	3.60 ± 0.15	–	2.70 ± 0.30	4.70 ± 0.15	–	6
POT14x8	14.00 ± 0.25	4.18 ± 0.08	5.99max	11.60min	2.79min	9.50 ± 0.60	3.30 ± 0.60	–	–	1
POT14x8CH	14.00 ± 0.25	4.18 ± 0.08	6.09max	11.60min	2.79min	9.50 ± 0.60	3.30 ± 0.60	3.10 ± 0.07	–	1
POT14Dx8CH	14.00 ± 0.25	4.20 ± 0.15	6.00 ± 0.15	11.85 ± 0.25	2.90 ± 0.20	9.50 ± 0.30	3.20 ± 0.30	3.00 ± 0.15	1.70 ± 0.20	4
POT18x10.5	18.00 ± 0.40	5.25 ± 0.10	7.40 ± 0.15	15.20 ± 0.25	3.80 ± 0.15	11.55 ± 0.30	4.15 ± 0.30	–	–	1
POT18x11CH	17.90 ± 0.30	5.30 $^{+0.08}_{-0.07}$	7.40 ± 0.15	15.25 ± 0.25	3.80 ± 0.10	11.55 ± 0.30	3.20 ± 0.30	3.02 ± 0.07	–	1
POT18x11ACH	17.90 ± 0.30	5.30 $^{+0.08}_{-0.07}$	7.40 ± 0.15	15.25 ± 0.25	3.80 ± 0.10	11.55 ± 0.30	3.80 ± 0.30	3.02 ± 0.10	–	1
POT18Dx11	18.10 ± 0.40	5.30 ± 0.15	7.40 ± 0.15	15.20 ± 0.30	4.00 ± 0.15	13.80 ± 0.20	5.50 ± 0.40	–	–	2
POT24.3x17.6CH	24.30 ± 0.50	8.90 $^{+0.00}_{-0.45}$	10.88 ± 0.30	20.83 ± 0.50	5.90 $^{+0.40}_{-0.00}$	16.80 ± 0.35	3.95 ± 0.25	5.51 ± 0.20	–	1
POT24.8	24.80 $^{+0.75}_{-0.00}$	10.00 ± 0.15	11.50 ± 0.20	21.00 ± 0.35	5.10 ± 0.15	–	3.00 ± 0.30	–	–	7
POT33.5x21CH	33.50 ± 0.50	10.60 ± 0.20	15.50 ± 0.30	30.60 ± 0.50	7.50 ± 0.30	5.00 ± 0.50	–	5.50 ± 0.20	–	5
POT35.5x22CH	35.50 ± 0.50	10.90 ± 0.20	15.95 ± 0.25	30.30 ± 0.40	7.50 ± 0.20	26.80 ± 0.50	4.00 ± 0.30	5.65 ± 0.15	–	1
POT69x28CH	69.00 ± 1.20	14.00 ± 0.20	29.00 ± 0.50	58.40 $^{+1.00}_{-0.80}$	9.30 ± 0.30	48.20 ± 0.80	10.50 ± 0.50	8.50 ± 0.50	–	1

* POT Core = 1 PC POT Core + 1 PC POT Core.

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
POT3.35x2.6	3.68	4.80	1.30	6.25	0.07
POT5.5x8	3.17	16.48	5.19	85.49	0.48
POT7.35x7CH	1.73	14.16	8.17	115.64	0.87
POT7.35A/3.6CH	1.98	13.27	6.71	89.04	0.76
POT8.8	1.86	17.80	9.58	170.60	1.44
POT9x5	1.06	13.52	12.76	172.52	0.94
POT9x5CH	1.25	12.20	9.80	119.56	0.86
POT9x5ACH	1.39	14.96	10.77	161.00	1.30
POT11x7	0.86	16.30	19.00	309.00	2.12
POT11x7CH	0.96	15.50	16.20	251.00	2.00
POT13.8	1.08	34.00	31.30	1065.00	4.30
POT14x8	0.70	21.00	29.90	628.00	3.60
POT14x8CH	0.79	19.80	25.00	495.00	3.14
POT14Dx8CH	0.56	21.13	37.84	799.67	3.00
POT18x10.5	0.57	26.32	46.25	1217.30	7.20
POT18x11CH	0.60	25.80	43.30	1120.00	6.66
POT18x11ACH	0.78	27.20	43.10	1172.32	6.60
POT18Dx11	0.63	28.81	46.00	1325.17	7.00
POT24.3x17.6CH	0.51	52.73	103.34	5448.97	19.90
POT24.8	0.52	72.35	139.70	10107.40	32.22
POT33.5x21CH	0.39	73.61	188.64	13885.44	46.40
POT35.5x22CH	0.30	70.47	237.15	16712.00	83.90
POT69x28CH	0.13	78.49	624.89	49045.32	317.05

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N²)										AL + 40% - 30% (nH/N²)	
	P4	P45	P451	P452	P47	P53	P61	N4	N42	A05	A10(L)	A121(L)
POT3.35x2.6									110 (N43)			
POT5.5x8	560											
POT7.35x7CH	860											
POT7.35A/3.6CH												
POT8.8									400 (N43)			
POT9x5	1300				1400			1300	1600		5800 ± 30%	
POT9x5CH	1200				1300			1200	1350			
POT9x5ACH	1100							1100				
POT11x7	2000				1950			2000	2310	2890		10000
POT11x7CH	1800				2000			1800		2500		6220min
POT13.8									700 (N43)			
POT14x8	2400				2700			2400	2620	3500		
POT14x8CH	2000				2100			2000	2300	3500+30%-25%	9800	
POT14Dx8CH									520 (N43)			
POT18x10.5									3500			
POT18x11CH	2850				3600			2850	4155	4600+30%-25%	12600	
POT18x11ACH	2850	3300			3230							
POT18Dx11	3100											
POT24.3x17.6CH	4200				4900							
POT24.8									1800 (N43)			
POT33.5x21CH	6800											
POT35.5x22CH	7500											
POT69x28CH	15000											

Remark:
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2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

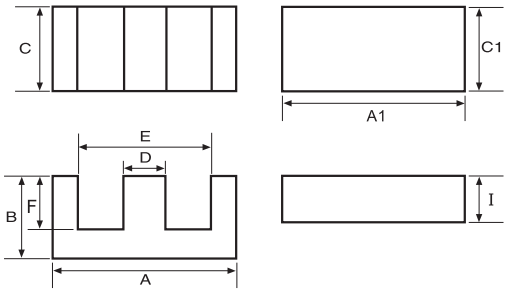
Type : PEI Cores (Planner Core)

Ordering Code:

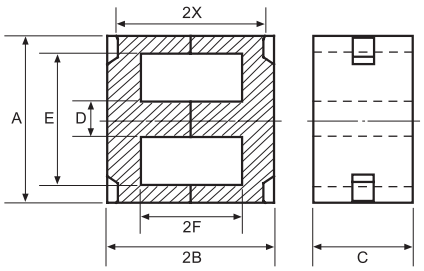
P4	PEI14	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

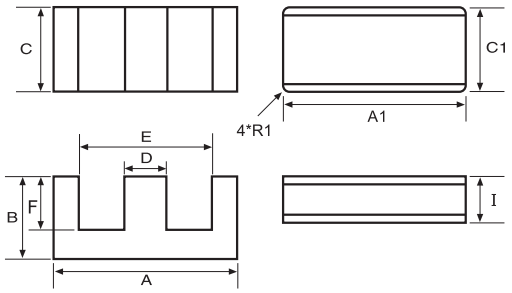
Type:1



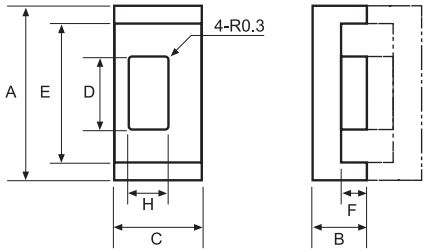
Type:2



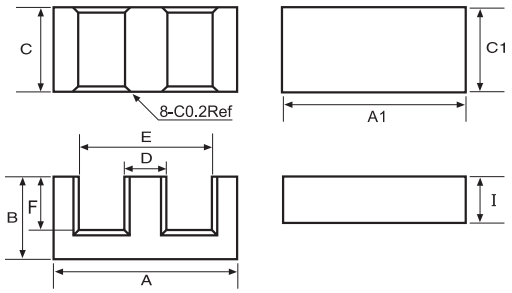
Type:3



Type:4



Type:5



■ DIMENSIONS

CORES	DIMENSIONS (mm)											Type
	A	B	C	D	E	F	H	A1	C1	I	X	
PEI6.2/2.6/1.6/1	6.20 ± 0.20	1.60 ± 0.08	2.60 ± 0.10	1.20 ± 0.10	4.70 ± 0.15	1.60 ± 0.08	–	6.20 ± 0.20	2.60 ± 0.10	1.00 ± 0.08	–	5
PEE14	14.00 ± 0.30	3.50 ± 0.10	5.00 ± 0.10	3.00 ± 0.05	11.00 ± 0.25	2.00 ± 0.10	–	–	–	–	–	1
PEI14	14.00 ± 0.30	3.50 ± 0.10	5.00 ± 0.10	3.00 ± 0.05	11.00 ± 0.25	2.00 ± 0.10	–	14.00 ± 0.30	5.00 ± 0.10	1.50 ± 0.05	–	1
PEE16.6	16.60 ± 0.40	3.90 ± 0.15	5.15 ± 0.30	3.70 ± 0.30	12.50 ± 0.40	1.40 ± 0.15	–	–	–	–	–	1
PEE18	18.00 ± 0.35	4.00 ± 0.10	10.00 ± 0.20	4.00 ± 0.10	14.00 ± 0.30	2.00 ± 0.10	–	–	–	–	3.30 ± 0.15	2
PEI18	18.00 ± 0.35	4.00 ± 0.15	10.00 ± 0.20	4.00 ± 0.10	14.00 ± 0.30	2.00 ± 0.10	–	18.00 ± 0.35	10.00 ± 0.20	2.00 ± 0.05	3.30 ± 0.10	E : 2 I : 1
PEE22	21.80 ± 0.40	5.70 ± 0.10	15.80 ± 0.30	5.00 ± 0.10	16.80 ± 0.40	3.20 ± 0.10	–	–	–	–	–	1
PEI22	21.80 ± 0.40	5.70 ± 0.10	15.80 ± 0.30	5.00 ± 0.10	16.80 ± 0.40	3.20 ± 0.10	–	21.80 ± 0.40	15.80 ± 0.30	2.50 ± 0.05	–	1
PEE31	31.00 ± 0.60	20.50 ± 0.30	31.00 ± 0.50	11.00 ± 0.30	20.50min	15.00 ± 0.30	–	–	–	–	–	1
PEI31.75	31.75 ± 0.65	6.35 ± 0.15	20.32 ± 0.40	6.35 ± 0.15	24.90min	3.18 ± 0.20	–	31.75 ± 0.65	20.32 ± 0.40	3.28 ± 0.20	–	3
PEE33.6	33.60 ± 0.40	4.60 ± 0.20	10.00 ± 0.20	12.00 ± 0.20	27.40 ± 0.40	2.10 ± 0.20	5.00 ± 0.20	–	–	–	–	4
PEE38.1	38.10 ± 0.76	8.26 ± 0.13	25.40 ± 0.51	7.60 ± 0.20	30.23min	4.45 ± 0.13	–	–	–	–	–	1
PEI38.1	38.10 ± 0.76	8.26 ± 0.13	25.40 ± 0.51	7.60 ± 0.20	30.23min	4.45 ± 0.13	–	38.10 ± 0.76	25.40 ± 0.51	3.81 ± 0.13	–	1

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
PEI6.2/2.6/1.6/1	1.81	7.43	4.10	30.47	0.17
PEE14	1.43	20.70	14.50	300.00	1.40
PEI14	1.16	16.70	14.50	240.00	1.22
PEE16.6	0.93	21.14	22.83	482.68	2.54
PEE18	0.62	24.30	39.50	960.00	4.80
PEI18	0.50	20.30	40.80	830.00	4.29
PEE22	0.41	32.50	78.50	2550.00	13.00
PEI22	0.33	26.10	78.50	2040.00	10.57
PEE31	0.27	86.73	326.00	28280.00	137.86
PEI31.75	0.27	35.10	130.00	4563.00	23.50
PEE33.6	0.73	32.68	44.83	1465.04	10.50
PEE38.1	0.27	52.51	195.38	10260.00	51.20
PEI38.1	0.22	43.58	194.58	8477.54	43.15

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)										
	P4	P41	P42	P45	P451	P452	P47	P48	P5	P51	P61
PEI6.2/2.6/1.6/1										440	
PEE14	1350	1300	1140				1530		1150	800	
PEI14	1250	1220							1150		
PEE16.6							2025				
PEE18	3300	3280	2280	3450			3400		2850	1990	
PEI18	3900	3810					4200		3300	2350	
PEE22	5400						5600	5400		3145	
PEI22	6450	6280	4550				6200		5500	3740	
PEE31	8700										
PEI31.75	7200	7000									
PEE33.6	3000										
PEE38.1	7520 (ref)										
PEI38.1	8580 (ref)										

Remark:
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2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. Customized dimensions are available.

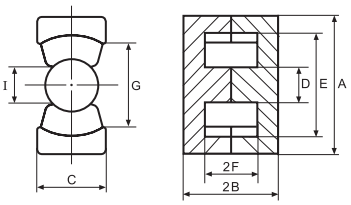
Type : PQ Cores

Ordering Code:

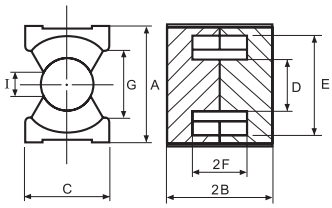
P4	PQ20/10	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

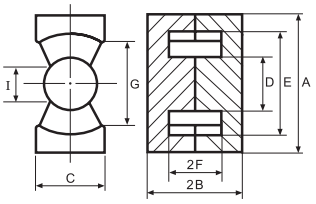
Type:1



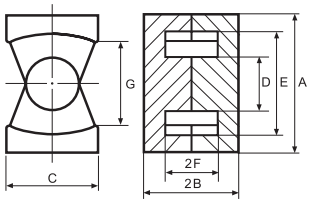
Type:2



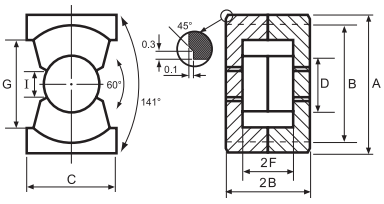
Type:3



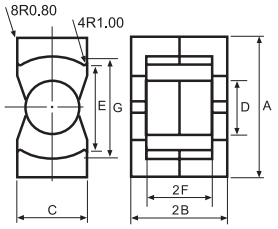
Type:4



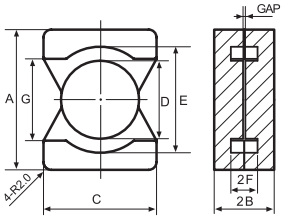
Type:5



Type:6



Type:7



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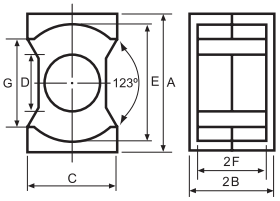

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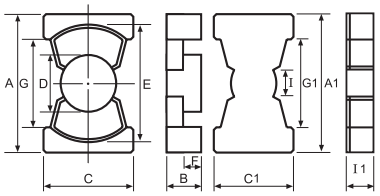
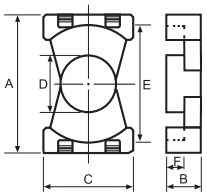


Type:10



■ DIMENSIONS

CORES	DIMENSIONS (mm)												Type
	A	B	C	D	E	F	G	I	A1	C1	G1	I1	
PQ20/10	20.50 ± 0.40	5.10 ± 0.10	14.00 ± 0.40	8.70 ± 0.30	18.00 ± 0.40	2.15 ± 0.15	12.00min	4.00min	–	–	–	–	1
PQ20/16	20.50 ± 0.40	8.10 ± 0.10	14.00 ± 0.40	8.70 ± 0.30	18.00 ± 0.40	5.15 ± 0.15	12.00min	4.00min	–	–	–	–	1
PQ20/20	20.50 ± 0.40	10.10 ± 0.10	14.00 ± 0.40	8.70 ± 0.30	18.00 ± 0.40	7.15 ± 0.15	12.00min	4.00min	–	–	–	–	1
PQ20A/16	21.50 ± 0.40	8.10 ± 0.10	14.00 ± 0.40	8.70 ± 0.30	19.00 ± 0.40	5.15 ± 0.15	13.00min	4.00min	–	–	–	–	1
PQ26/20	26.50 ± 0.45	$10.08^{+0.12}_{-0.13}$	19.00 ± 0.45	12.00 ± 0.20	22.50 ± 0.45	5.75 ± 0.15	15.50min	5.25min	–	–	–	–	1
PQ26/25	26.50 ± 0.45	$12.38^{+0.12}_{-0.13}$	19.00 ± 0.45	12.00 ± 0.20	22.50 ± 0.45	8.05 ± 0.15	15.50min	5.25min	–	–	–	–	1
PQ26A/20	26.50 ± 0.40	10.33 ± 0.13	19.00 ± 0.45	12.00 ± 0.20	22.30min	6.00 ± 0.15	15.50min	–	–	–	–	–	1
PQ26B/14.38	26.50 ± 0.45	7.19 ± 0.20	19.00 ± 0.35	12.00 ± 0.20	22.50 ± 0.45	2.86 ± 0.20	15.50min	6.08 ± 0.20	–	–	–	–	1
PQ27/20	27.30 ± 0.46	10.10 ± 0.12	19.00 ± 0.45	12.00 ± 0.20	22.50 ± 0.46	5.75 ± 0.15	15.50min	6.00min	–	–	–	–	2
PQ27A/20	27.30 ± 0.46	10.10 ± 0.13	19.00 ± 0.45	12.00 ± 0.20	22.50min	5.75 ± 0.15	16.80min	6.00min	–	–	–	–	2
PQ27D/20.4	27.00 ± 0.50	10.20 ± 0.15	19.00 ± 0.50	11.80 ± 0.25	22.50min	6.00 ± 0.30	16.50min	–	–	–	–	–	1
PQ31.5/21.5	31.50 ± 0.50	8.20 ± 0.20	21.50 ± 0.40	14.60 ± 0.15	22.65 ± 0.50	5.30 ± 0.20	27.70 ± 0.40	–	–	–	–	–	6
PQ32A/25	32.00 ± 0.50	12.55 ± 0.25	22.00 ± 0.50	13.30 ± 0.25	27.50 ± 0.50	8.25 ± 0.20	19.75min	–	–	–	–	–	3
PQ32B/25	32.00 ± 0.50	12.55 ± 0.20	22.00 ± 0.50	13.30 ± 0.20	27.50 ± 0.50	8.08 ± 0.20	19.50min	–	–	–	–	–	5
PQ32E/24.8	32.20 ± 0.50	12.40 ± 0.20	22.10 ± 0.50	13.50 ± 0.20	27.50 ± 0.50	8.05 ± 0.15	19.50min	6.00ref	–	–	–	–	5
PQ32H/25	32.00 ± 0.50	12.50 ± 0.20	22.00 ± 0.40	13.45 ± 0.25	27.50 ± 0.50	8.10 ± 0.20	19.75min	7.45 ± 0.20	–	–	–	–	1
PQ35A/12.2	35.00 ± 0.65	6.10 ± 0.15	18.60 ± 0.50	13.00 ± 0.20	29.70 ± 0.60	3.40 ± 0.15	24.72ref	–	–	–	–	–	4
PQ35B/41	35.10 ± 0.60	$20.15^{+0.12}_{-0.13}$	26.00 ± 0.50	14.40 ± 0.35	31.50min	15.50 ± 0.15	23.50min	5.50min	–	–	–	–	1
PQ35D/30	$35.00^{+0.70}_{-0.50}$	15.00 ± 0.15	26.00 ± 0.50	14.35 ± 0.25	32.00 ± 0.50	10.70 ± 0.20	23.85 ± 0.50	–	–	–	–	–	8
PQI35F/29	35.20 ± 0.75	23.90 ± 0.15	26.00 ± 0.50	14.15 ± 0.25	31.50min	19.00 ± 0.15	23.50min	5.80ref	35.20 ± 0.75	26.00 ± 0.50	23.50min	5.00 ± 0.15	9
PQ35.1/30	35.10 ± 0.60	15.00 ± 0.15	26.00 ± 0.50	14.35 ± 0.25	32.00 ± 0.50	10.13 ± 0.15	24.00 ± 0.50	5.60min	–	–	–	–	1
PQI35.2	35.20 ± 0.50	23.88 ± 0.25	26.00 ± 0.50	14.15 ± 0.30	32.00min	19.00 ± 0.25	23.50min	5.80ref	35.20 ± 0.50	26.00 ± 0.50	23.50min	5.00 ± 0.15	9
PQ35/35	35.10 ± 0.60	17.40 ± 0.30	26.00 ± 0.50	14.35 ± 0.35	31.00min	12.50 ± 0.40	23.50min	5.20min	–	–	–	–	1
PQ36/15.4	36.00 ± 0.60	7.70 ± 0.15	29.00 ± 0.50	20.00 ± 0.30	27.40 ± 0.40	3.43 ± 0.15	21.00 ± 0.30	–	–	–	–	–	7
PQ38/10.6	38.00 ± 0.50	5.30 ± 0.15	21.32 ± 0.40	14.30 ± 0.25	32.80 ± 0.50	2.45 ± 0.15	25.84min	–	–	–	–	–	4
PQ40/41	40.30 ± 0.50	20.50 ± 0.30	28.00 ± 0.40	15.00 ± 0.30	35.70min	15.30 ± 0.30	28.10min	–	–	–	–	–	3
PQI40B/28/14.6/5	40.30 ± 0.40	14.60 ± 0.20	28.00 ± 0.40	14.80 ± 0.30	36.40min	9.50 ± 0.20	28.80 ± 0.40	6.50 ± 0.20	40.30 ± 0.40	28.00 ± 0.40	28.80 ± 0.40	5.00 ± 0.10	9
PQ46	46.00 ± 0.60	9.80 ± 0.15	30.00 ± 0.50	17.00 ± 0.30	40.50 ± 0.60	3.80 ± 0.15	–	–	–	–	–	–	10
PQ50/50	50.00 ± 0.70	25.00 ± 0.20	32.00 ± 0.60	20.00 ± 0.35	44.00 ± 0.70	18.00 ± 0.20	31.50min	–	–	–	–	–	1

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
PQ20/10	0.42	25.61	61.32	1570.41	9.40
PQ20/16	0.61	37.60	61.90	2330.00	12.94
PQ20/20	0.74	45.40	62.00	2790.00	15.48
PQ20A/16	0.62	37.41	60.40	2246.06	13.20
PQ26/20	0.37	45.00	121.00	5470.00	28.40
PQ26/25	0.45	54.30	120.00	6530.00	30.00
PQ26A/20	0.38	44.21	117.38	5189.37	30.60
PQ26B/14.38	0.27	32.60	119.00	3878.00	23.32
PQ27/20	0.36	43.35	119.93	5198.80	30.30
PQ27A/20	0.39	44.19	114.97	5080.52	28.40
PQ27D/20.4	1.70	44.98	111.75	5026.52	28.60
PQ31.5/21.5	0.68	41.69	60.92	2539.36	27.80
PQ32A/25	0.44	74.60	165.80	12368.68	47.00
PQ32B/25	0.39	55.41	140.52	7786.21	46.68
PQ32E/24.8	0.38	54.24	144.46	7835.90	46.80
PQ32H/25	0.38	58.50	153.10	8956.00	47.70
PQ35A/12.2	0.40	42.96	108.28	4651.80	12.00
PQ35B/41	0.53	86.48	164.69	14241.78	81.54
PQ35D/30	0.42	75.10	176.90	13285.00	64.30
PQI35F/29	0.42	75.20	181.20	13628.50	64.00
PQ35.1/30	0.39	64.72	165.17	10689.80	64.32
PQI35.2	0.37	68.71	183.66	12619.21	62.65
PQ35/35	0.45	74.11	163.39	12108.88	73.88
PQ36/15.4	0.24	37.65	159.64	6011.52	30.44
PQ38/10.6	0.57	48.54	85.03	4127.36	26.96
PQ40/41	0.52	93.57	180.20	16860.00	95.50
PQI40B/28/14.6/5	0.30	51.29	169.59	8871.51	57.30
PQ46	0.24	51.40	210.00	10794.00	81.00
PQ50/50	0.34	113.80	333.70	37975.00	195.00

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)									
	P4	P41	P42	P45	P451	P452	P47	P48	P51	P61
PQ20/10	5060		4000				4800			
PQ20/16	3880	3770		4100			4000		2200	
PQ20/20	3300	3260		3500	3900		3480	3300	1880	
PQ20A/16		3700								
PQ26/20	6170	5900		7000			6300	6170		
PQ26/25	5250	5000		5700			5600			
PQ26A/20	5520	5300					6300			
PQ26B/14.38				8000						
PQ27/20	5740	5560					6800			
PQ27A/20	5200	5100		6400			6300			
PQ27D/20.4	5230	5100		6200			6000			
PQ31.5/21.5							3000			
PQ32A/25							6200			
PQ32B/25	5530	5400		6600			6400			
PQ32E/24.8		5500								
PQ32H/25				6300						
PQ35A/12.2							6000			
PQ35B/41										
PQ35D/30				5100						
PQI35F/29	6700			6700						
PQ35.1/30							6650			
PQI35.2										
PQ35/35	5100			6000			5800		3200	2000
PQ36/15.4							6150			
PQ38/10.6							5500			
PQ40/41	4500									
PQI40B/28/14.6/5							7100			
PQ46				9200						
PQ50/50				7000						

Remark:

1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. Customized dimensions are available.

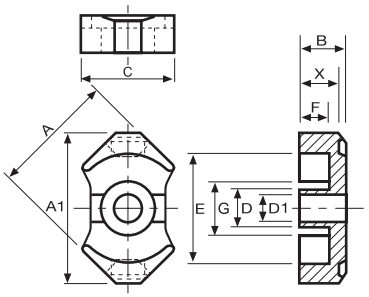
Type : RM/LM Cores

Ordering Code:

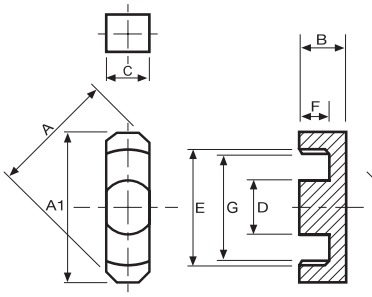
P4	RM5	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:

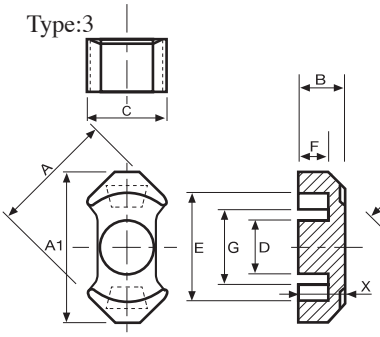
Type:1



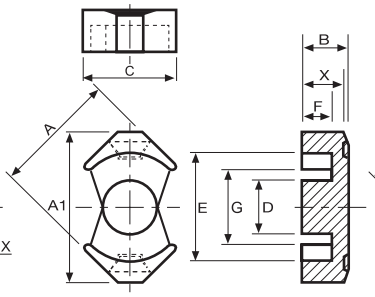
Type:2



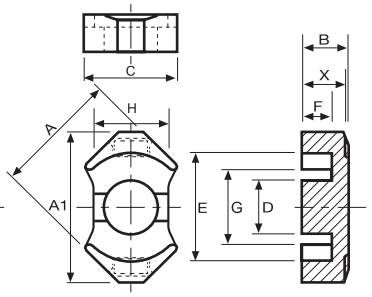
Type:3



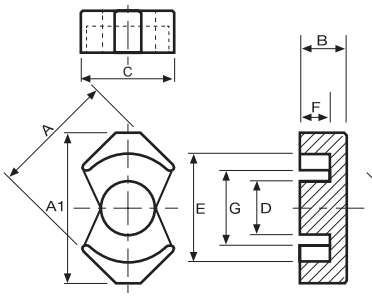
Type:4



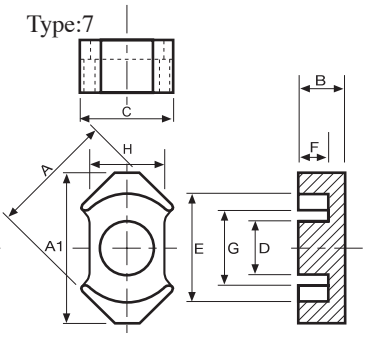
Type:5



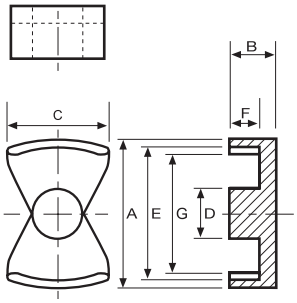
Type:6



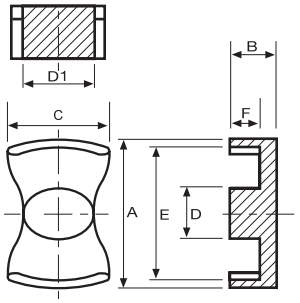
Type:7



Type:8



Type:9



■ DIMENSIONS

CORES	DIMENSIONS (mm)											Type
	A	A_1	B	C	D (Ø)	D_1 (Ø)	E	F	G	H	2X	
RM4	9.60 ± 0.20	10.80 ± 0.20	5.20 ± 0.05	6.40 ± 0.20	3.80 ± 0.10	–	8.15 ± 0.15	3.60 ± 0.10	5.80min	–	9.00 ± 0.25	3
RM5	12.05 ± 0.25	14.30 ± 0.30	5.20 ± 0.10	9.55 ± 0.25	4.80 ± 0.10	–	10.40 ± 0.20	3.35 ± 0.20	6.00min	–	9.10 ± 0.25	5
RM5CH	12.05 ± 0.25	14.30 ± 0.30	5.20 ± 0.05	9.55 ± 0.25	4.80 ± 0.10	2.05ref	10.40 ± 0.20	3.25 ± 0.10	6.00min	–	9.40 ± 0.20	5
RM6	14.40 ± 0.30	17.60 ± 0.30	6.20 ± 0.10	10.47 ± 0.25	6.30 ± 0.10	–	12.64 ± 0.25	4.20 ± 0.20	8.50min	–	10.40 ± 0.25	5
RM6CH	14.40 ± 0.30	17.60 ± 0.30	6.20 ± 0.10	10.47 ± 0.25	6.30 ± 0.10	3.00 ± 0.10	12.64 ± 0.25	4.20 ± 0.20	8.50min	–	10.40 ± 0.25	5
RM6C	14.40 ± 0.30	17.60 ± 0.30	4.50 ± 0.10	5.15 ± 0.15	6.30 ± 0.10	–	12.64 ± 0.25	2.35 ± 0.10	11.50min	–	–	2
RM6F	14.40 ± 0.30	16.80 ± 0.30	5.50 ± 0.10	8.00 ± 0.30	6.30 ± 0.15	–	12.65 ± 0.25	3.40 ± 0.15	9.10min	–	–	6
RM6H	14.40 ± 0.30	17.60 ± 0.30	4.15 ± 0.10	8.00 ± 0.30	6.30 ± 0.10	–	12.65 ± 0.25	2.10 ± 0.10	9.15 ± 0.30	–	–	5
RM7A	16.85 ± 0.35	19.90 ± 0.40	6.70 ± 0.10	11.43 ± 0.30	7.10 ± 0.15	–	15.10 ± 0.35	4.32 ± 0.15	11.00min	–	12.50 ± 0.30	4
RM7E	16.85 ± 0.30	19.90 ± 0.40	6.80 ± 0.20	11.05 ± 0.20	7.10 ± 0.15	–	15.10 ± 0.35	$4.42^{+0.30}_{-0.20}$	11.00min	–	–	6
RM7F/13.6	16.85 ± 0.30	19.90 ± 0.40	6.80 ± 0.10	11.05 ± 0.25	7.10 ± 0.15	–	15.10 ± 0.35	4.45 ± 0.20	11.80min	–	–	6
RM8	19.35 ± 0.35	22.76 ± 0.45	8.20 ± 0.15	15.45 ± 0.30	8.40 ± 0.15	–	17.30 ± 0.30	5.60 ± 0.20	9.80min	–	14.40 ± 0.25	5
RM8CH	19.35 ± 0.35	22.76 ± 0.45	8.20 ± 0.15	15.45 ± 0.30	8.40 ± 0.15	4.50 ± 0.15	17.30 ± 0.30	5.60 ± 0.20	9.80min	–	14.40 ± 0.25	1
RM10	24.15 ± 0.55	27.80 ± 0.65	9.30 ± 0.15	19.85 ± 0.30	10.65 ± 0.20	–	21.65 ± 0.45	6.40 ± 0.20	12.40min	–	16.30 ± 0.25	5
RM10B	24.20 ± 0.55	28.20 ± 0.65	9.30 ± 0.15	18.05 ± 0.30	10.65 ± 0.20	–	22.00 ± 0.45	6.50 ± 0.20	14.20min	13.25 ± 0.25	–	7
RM12	29.20 ± 0.60	36.85 ± 0.75	12.25 ± 0.10	–	12.60 ± 0.20	–	25.45 ± 0.55	8.55 ± 0.15	13.40min	15.85 ± 0.25	22.10 ± 0.25	5
LM8A	23.00 ± 0.45	–	8.00 ± 0.15	17.71ref	$9.00^{+0.10}_{-0.20}$	$12.80^{+0.10}_{-0.20}$	18.10 ± 0.40	5.30 ± 0.20	–	–	–	9
LM8D	21.00 ± 0.50	–	6.35 ± 0.15	12.50 ± 0.30	8.25 ± 0.20	–	17.20 ± 0.40	3.65 ± 0.15	13.80 ± 0.30	–	–	8
LM61	61.00 ± 1.20	–	23.25 ± 0.25	39.00 ± 0.80	22.60 ± 0.40	–	50.00 ± 1.00	17.25 ± 0.25	–	–	–	9

* RM 5,6,8 CAN ALSO BE MANUFACTURED WITH CENTER HOLES. (CH)

EFFECTIVE PARAMETERS (PER SET)

CORES	EFFECTIVE PARAMETERS					
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Amin(mm^2)$	$Ve(mm^3)$	Wt(g/set)
RM4	1.70	22.00	13.00	11.30	286.00	1.68
RM5	0.93	22.10	23.80	18.10	526.00	3.28
RM5CH (With Center Hole)	1.01	21.40	21.20	–	453.68	1.53
RM6	0.78	28.60	36.60	31.00	1050.00	5.44
RM6CH (With Center Hole)	0.86	26.90	31.30	–	840.00	4.96
RM6C	0.49	20.89	42.59	–	889.99	5.06
RM6F	0.85	26.66	31.20	31.17	881.36	4.72
RM6H	0.57	20.70	36.60	31.17	757.62	3.80
RM7A	0.60	30.27	50.74	–	1535.91	7.05
RM7E	0.90	35.60	39.60	39.59	1409.76	7.12
RM7F/13.6	0.90	35.60	39.60	–	1409.76	7.24
RM8	0.59	38.89	62.14	55.00	2416.62	12.40
RM8CH (With Center Hole)	0.67	35.10	52.00	–	1840.00	11.02
RM10	0.46	44.60	96.60	89.10	4310.00	21.88
RM10B	2.20	44.28	97.27	–	4307.12	20.94
RM12	0.42	60.60	144.00	124.70	8752.00	45.78
LM8A	0.45	40.50	90.77	–	3645.00	17.60
LM8D	0.59	29.58	50.16	–	1483.63	9.60
LM61	0.34	110.80	328.14	–	36357.91	253.40

ELECTRICAL CHARACTERISTICS

CORES	AL + 30% - 20% (nH/N²)												AL + 40% - 30% (nH/N²)	
	P4	P45	P451	P452	P47	P48	P5	P51	P61	N4	A05	A05(L)	A10(L)	A121(L)
RM4	1100	1250 ± 25%			1230 ± 25%		1000 ± 25%			1000	1700	2870	5050	5700
RM5	2000	2220 ± 25%			2200 ± 25%		1860 ± 25%	1290 ± 25%		1850	3500	5700	6700	7500min
RM5CH							1650							
RM6	2400	2900 ± 25%			2850 ± 25%	2400	2300 ± 25%	1650 ± 25%		2380	4300	7300 ± 25%	8600	7490min
RM6CH	2170	2500			2400	2170					3900	6620 ± 25%	7800	
RM6C	2440 ± 25%													
RM6F					2400									
RM6H					2700 ± 25%									
RM7A						2600 ± 25%								
RM7E	2300 ± 25%	2700 ± 25%			2600 ± 25%									
RM7F/13.6		3000												
RM8	3300	3950 ± 25%			3800 ± 25%	3300	2770	2200	1450 ± 25%	2800	5700	9700 ± 25%	12500	
RM8CH	2900									2900	5020	8540 ± 25%	11010	
RM10	4200	5100 ± 25%			5040 ± 25%		3650 ± 25%	3100 ± 25%			7600	12750 ± 25%	16000	
RM10B	4200				4950 ± 25%	4200							16000	
RM12	5550 ± 25%				6100 ± 25%		4400 ± 25%	3450 ± 25%						
LM8A	4500													
LM8D						2850								
LM61		9500												

Remark:
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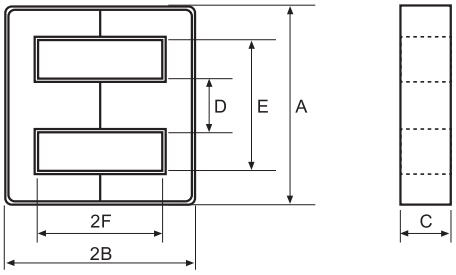
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : EE/EEL Cores

Ordering Code:

P4	EE4.2	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

	DIMENSIONS (mm)						EFFECTIVE PARAMETERS				
CORES	A	B	C	D	E	F	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
EE4.2	4.35 ± 0.10	1.35 ± 0.05	1.35 ± 0.10	1.20 ± 0.10	3.15 ± 0.10	0.85 ± 0.05	4.71	7.04	1.49	10.49	0.11
EE5.0C	5.25 ± 0.10	3.00 ± 0.15	1.40 ± 0.10	1.35 ± 0.10	$3.90^{+0.20}_{-0.10}$	2.35 ± 0.15	7.50	14.03	1.87	26.25	0.13
EE5.0D	5.25 ± 0.10	2.66 ± 0.07	1.95 ± 0.05	1.35 ± 0.05	3.80min	1.98 ± 0.07	4.64	12.53	2.70	33.83	0.16
EE5.0F	5.25 ± 0.10	2.65 ± 0.10	1.90 ± 0.10	1.35 ± 0.10	3.80 ± 0.13	2.00 ± 0.10	4.83	12.55	2.60	32.63	0.08
EE6.17	6.17 ± 0.13	2.85 ± 0.05	1.96 ± 0.05	1.35 ± 0.05	3.70 ± 0.10	$1.93^{+0.08}_{-0.07}$	3.71	12.29	3.31	40.70	0.24
EE6.2	6.18 ± 0.20	2.85 ± 0.08	1.95 ± 0.10	1.35 ± 0.10	3.70 ± 0.10	1.90 ± 0.10	3.67	12.20	3.33	40.57	0.26
EE6.3	6.30 ± 0.25	$2.82^{+0.08}_{-0.07}$	2.00 ± 0.15	$1.32^{+0.08}_{-0.07}$	$3.60^{+0.20}_{-0.00}$	$1.92^{+0.08}_{-0.07}$	3.64	12.13	3.33	40.39	0.28
EE6.3/1.2	$6.30^{+0.10}_{-0.20}$	$3.25^{+0.15}_{-0.10}$	$1.20^{+0.10}_{-0.15}$	$1.65^{+0.10}_{-0.15}$	$4.30^{+0.15}_{-0.10}$	$2.10^{+0.15}_{-0.10}$	6.14	14.08	2.29	32.28	0.16
EE6.6	6.60 ± 0.15	3.25 ± 0.10	1.15 ± 0.10	1.65 ± 0.05	4.30min	2.30 ± 0.05	6.74	14.63	2.17	31.75	0.07
EE6.75	6.75 ± 0.15	3.25 ± 0.10	3.00 ± 0.10	1.30 ± 0.10	5.20min	2.55 ± 0.10	3.86	16.24	4.21	68.36	0.34
EE7.35	7.35 ± 0.20	4.40 ± 0.15	1.80 ± 0.15	2.45 ± 0.15	5.10min	3.10 ± 0.15	4.52	18.90	4.18	79.00	0.38
EE8.0/5.0	8.00 ± 0.15	5.00 ± 0.08	5.00 ± 0.15	2.90 ± 0.10	5.31 ± 0.15	3.50 ± 0.08	1.48	20.93	14.16	296.37	1.50
EE8.3A	8.30 ± 0.20	4.00 ± 0.10	3.90 ± 0.10	2.15 ± 0.15	6.30 ± 0.20	3.00 ± 0.10	2.41	19.33	7.98	154.42	0.76
EE8.3A-1	8.30 ± 0.20	4.00 ± 0.10	3.90 ± 0.10	2.15 ± 0.15	6.30 ± 0.20	3.00 ± 0.10	2.41	19.33	7.98	154.42	0.76
EE8.3B	8.30 ± 0.30	4.15 ± 0.10	1.85 ± 0.15	1.85 ± 0.15	6.00min	3.13 ± 0.10	4.53	19.95	3.67	73.22	0.36
EE8.3B-1	8.30 ± 0.30	4.00 ± 0.10	1.85 ± 0.15	1.85 ± 0.15	6.00min	3.00 ± 0.10	5.32	19.42	3.65	70.89	0.35
EE8.3D	8.30 ± 0.20	4.00 ± 0.10	3.90 ± 0.10	1.85 ± 0.15	6.15 ± 0.20	3.00 ± 0.10	2.50	19.37	7.74	149.92	0.76
EE8.3F	$8.30^{+0.20}_{-0.30}$	4.00 ± 0.20	3.90 ± 0.15	2.10 ± 0.10	6.35min	$3.00^{+0.15}_{-0.10}$	2.47	19.39	7.85	152.21	0.37
EEL8.3	8.30 ± 0.20	5.65 ± 0.15	3.50 ± 0.15	2.15 ± 0.15	6.30 ± 0.20	4.65 ± 0.10	3.61	25.92	7.19	186.30	0.93
EE8.6	8.60 ± 0.30	4.65 ± 0.10	3.65 ± 0.15	1.85 ± 0.20	6.30min	3.55min	2.99	22.02	7.37	162.29	0.87
EE8.7	8.70 ± 0.30	4.05 ± 0.10	3.90 ± 0.10	2.15 ± 0.10	6.80min	3.05 ± 0.10	2.55	19.96	7.83	156.29	0.92
EE8.8	8.80 ± 0.20	6.00 ± 0.20	2.80 ± 0.10	2.80 ± 0.10	6.00 ± 0.15	4.50 ± 0.10	3.23	25.74	7.95	204.60	1.32
EE8.8A	9.00 ± 0.40	4.00 ± 0.10	1.90 ± 0.10	1.90 ± 0.10	5.20 ± 0.15	2.19 ± 0.16	3.13	15.58	4.98	77.65	0.52
EE8.8B	9.00 ± 0.40	4.00 ± 0.10	1.90 ± 0.10	1.90 ± 0.10	5.20min	2.29 ± 0.16	3.34	16.42	4.91	80.70	0.54
EE8.8D	8.80 ± 0.30	4.20 ± 0.10	1.50 ± 0.20	2.30 ± 0.10	6.40 ± 0.15	3.15 ± 0.15	5.92	20.15	3.40	68.51	0.36
EEL8.8	8.80 ± 0.20	8.50 ± 0.10	2.80 ± 0.10	2.80 ± 0.10	6.00 ± 0.15	7.20 ± 0.10	4.67	36.22	7.75	280.70	1.41
EE9.0	9.00 ± 0.20	6.15 ± 0.20	2.80 ± 0.10	2.80 ± 0.10	6.30 ± 0.15	4.65 ± 0.10	3.39	26.58	7.83	208.23	1.06
EE9.0A	9.00 ± 0.40	5.50 ± 0.10	2.35 ± 0.15	2.35 ± 0.10	5.75min	3.75 ± 0.15	3.42	22.71	6.64	150.77	0.82
EE9.3	9.30 ± 0.20	$6.20^{+0.15}_{-0.10}$	2.80 ± 0.10	2.80 ± 0.10	6.60 ± 0.10	$4.70^{+0.15}_{-0.10}$	3.47	27.16	7.84	212.87	1.04
EE9.45	9.45 ± 0.20	5.35 ± 0.15	2.25 ± 0.15	3.30 ± 0.15	6.60min	3.75 ± 0.15	3.48	23.11	6.64	153.40	0.38
EE10	10.20 ± 0.20	5.70 ± 0.10	4.75 ± 0.15	2.45 ± 0.15	7.70min	4.20 ± 0.15	2.13	26.00	12.00	323.00	1.60
EE10/10	10.20 ± 0.20	5.50 ± 0.10	9.85 ± 0.15	2.40 ± 0.15	7.80 ± 0.20	4.30 ± 0.10	1.11	26.36	23.64	623.10	3.32
EE10A	10.00 ± 0.20	6.60 ± 0.20	2.70 ± 0.10	2.80 ± 0.10	7.30 ± 0.15	5.00 ± 0.15	3.80	29.08	7.66	222.75	1.12
EE10.2	10.20 ± 0.20	4.50 ± 0.10	4.75 ± 0.15	2.45 ± 0.15	8.75 ± 0.20	3.25 ± 0.10	2.18	20.39	9.34	190.44	1.24
EE10.6	10.60 ± 0.20	4.75 ± 0.15	4.75 ± 0.15	2.40 ± 0.15	8.20min	3.25 ± 0.15	1.94	22.85	11.76	268.60	1.42
EE10.7	10.70 ± 0.20	4.15 ± 0.15	6.15 ± 0.15	2.40 ± 0.20	8.30 ± 0.20	$2.90^{+0.15}_{-0.10}$	1.43	21.34	14.97	319.46	0.78

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)											AL ± 30% (nH/N²)		
CORES	**P4**	**P41**	**P45**	**P451**	**P452**	**P47**	**P48**	**P5**	**P61**	**A05**	**A07**	**A10(L)**	**A121(L)**	**A151(L)**
EE4.2	160					190		130		290				
EE5.0C	220	215												
EE5.0D	280	260				330		250		400	440	980min	1080min	1350min
EE5.0F	280											750min		
EE6.17		405												
EE6.2	360					400							1600min	
EE6.3	370	360	410			400		340		560	620	1800	2100	
EE6.3/1.2	270													
EE6.6	100													
EE6.75													1250min	
EE7.35														
EE8.0/5.0	1220													
EE8.3A	750	700				785		600		1100	1290	3000	3300	3800
EE8.3A-1											2000+40%-30%			
EE8.3B	350	330				370				510	580	1800		1980
EE8.3B-1	360	350				400					600	1800		
EE8.3D	750									1090	1200	3000	3700	
EE8.3F														3125min
EEL8.3												2140		
EE8.6	680										1140		2400min	
EE8.7													3300	
EE8.8	680										1200	2740	3180	3680
EE8.8A	470	460				500					870		2720	
EE8.8B	450	440	510			470								
EE8.8D												1050min		
EEL8.8											950			
EE9.0	620											2420		
EE9.0A													3300	
EE9.3	540													
EE9.45														
EE10	940	900	1120			1100		750		1500	1750	4190	3332min	3860min
EE10/10	1850		2100			2050						5720min	6500min	7500min
EE10A	530										1050	2200		
EE10.2						870				1200	1300	2500min	2850min	3250min
EE10.6												4600		
EE10.7		1300												

Remark:
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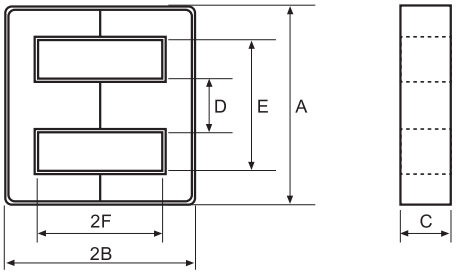
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : EE/EEL Cores

Ordering Code:

P4	EE16	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

	DIMENSIONS (mm)						EFFECTIVE PARAMETERS				
CORES	A	B	C	D	E	F	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
EE11	11.00 ± 0.20	2.60 ± 0.10	4.50 ± 0.20	2.00 ± 0.20	9.00 ± 0.20	1.45 ± 0.10	1.67	16.11	9.65	155.46	0.96
EEL11.1	11.10 ± 0.20	7.80 ± 0.20	2.90 ± 0.10	3.40 ± 0.10	7.70 ± 0.20	6.00 ± 0.15	3.39	33.78	9.97	336.93	1.70
EE12	12.00 ± 0.15	3.20 ± 0.10	6.50 ± 0.10	3.10 ± 0.10	8.90 ± 0.15	1.80 ± 0.10	0.92	17.60	19.18	337.57	1.70
EEL12.8-1	12.80 ± 0.25	12.00 ± 0.15	3.50 ± 0.13	3.65 ± 0.10	8.80 ± 0.25	10.00 ± 0.15	3.81	51.20	13.43	687.80	3.38
EE12.9/10	12.95 ± 0.30	6.50 $^{+0.00}_{-0.15}$	9.80 ± 0.20	3.55 ± 0.15	9.15 ± 0.25	4.50 $^{+0.30}_{-0.00}$	0.80	29.57	36.80	1088.00	5.34
EE12.9A	12.90 ± 0.30	6.85 ± 0.15	1.80 ± 0.20	6.00 ± 0.10	9.40 ± 0.25	4.50 ± 0.30	3.54	27.43	7.75	212.58	1.28
EE13	13.00 ± 0.30	6.00 ± 0.20	6.15 ± 0.15	2.95 $^{+0.00}_{-0.35}$	10.50 ± 0.30	4.65 ± 0.15	1.64	28.00	17.00	480.00	2.38
EE13/3.55	13.13 ± 0.20	7.13 ± 0.20	3.55 ± 0.10	3.53 ± 0.15	9.00min	5.11 ± 0.15	2.34	31.93	13.66	436.16	2.18
EE13B	13.00 ± 0.30	4.60 ± 0.20	6.15 ± 0.15	2.80 ± 0.15	10.00min	3.10 ± 0.15	1.37	24.33	17.68	430.12	2.18
EE13D	13.00 ± 0.40	6.60 ± 0.15	5.90 ± 0.20	2.60 ± 0.20	10.10min	5.20 ± 0.20	2.01	32.59	16.25	529.60	2.30
EEL13	13.00 ± 0.20	8.10 ± 0.15	3.00 ± 0.15	3.40 ± 0.15	9.40 ± 0.20	6.30 ± 0.15	3.48	36.75	10.56	387.97	1.86
EE13.5	13.50 ± 0.30	5.25 ± 0.20	9.80 ± 0.20	3.60 ± 0.15	9.50min	3.55 ± 0.20	7.44	25.90	3.48	903.10	4.60
EE13.7	13.70 ± 0.30	6.05 ± 0.10	7.15 ± 0.20	3.40 ± 0.20	10.30 ± 0.30	4.75 ± 0.15	1.37	30.20	22.00	664.40	1.68
EEL14	14.05 ± 0.25	15.75 ± 0.15	3.50 ± 0.15	4.55 ± 0.15	9.25 ± 0.20	12.25 ± 0.15	3.64	62.06	17.06	1058.68	5.42
EEL14A	14.00 ± 0.25	13.15 $^{+0.15}_{-0.10}$	2.70 ± 0.15	4.00 ± 0.10	10.00 ± 0.25	10.95 ± 0.15	5.14	56.34	10.96	617.49	3.00
EEL14.15	14.15 ± 0.25	7.70 ± 0.15	4.20 ± 0.20	4.28 ± 0.15	10.55 ± 0.25	5.30 ± 0.15	1.99	33.93	17.03	577.83	3.12
EEL14.6A	14.60 ± 0.30	10.95 ± 0.10	3.60 $^{+0.10}_{-0.20}$	4.00 ± 0.15	10.60 ± 0.30	8.95 ± 0.15	3.30	48.02	14.54	698.21	3.30
EE15	15.00 ± 0.30	7.40 ± 0.20	2.30 $^{+0.10}_{-0.12}$	3.70 ± 0.20	9.20 ± 0.30	5.40 ± 0.20	3.36	32.84	9.77	321.03	1.77
EEL15.4A	15.40 ± 0.30	9.10 ± 0.15	3.30 $^{+0.10}_{-0.15}$	3.40 ± 0.20	11.80 ± 0.30	7.35 $^{+0.15}_{-0.10}$	3.75	43.27	11.54	499.23	2.48
EE16	16.00 ± 0.30	7.30 ± 0.20	4.80 ± 0.20	4.00 ± 0.20	11.70min	5.20 ± 0.20	1.81	35.23	19.49	686.55	3.20
EE16A	16.00 ± 0.30	7.15 ± 0.15	6.80 ± 0.20	3.17 $^{+0.18}_{-0.17}$	12.50min	5.50 ± 0.10	1.48	35.50	24.00	852.00	3.96
EE16D	16.00 ± 0.30	7.90 ± 0.15	4.80 ± 0.15	4.00 ± 0.15	12.10 ± 0.30	5.70 ± 0.15	1.91	35.10	19.20	675.00	3.70
EE16F	16.00 ± 0.30	3.60 ± 0.15	3.80 ± 0.15	3.85 ± 0.15	12.00 ± 0.20	1.60 ± 0.15	1.38	20.77	15.06	312.80	1.62
EEL16	16.00 ± 0.30	12.40 ± 0.20	4.80 ± 0.20	4.00 ± 0.20	11.60min	10.20 ± 0.20	2.72	55.00	20.00	1116.00	5.28
EE16.4	16.40 ± 0.30	4.90 ± 0.20	8.00 ± 0.20	4.50 ± 0.15	12.20 ± 0.30	3.05 ± 0.15	0.81	26.08	32.30	842.50	4.36
EE16.4A	16.40 ± 0.30	6.70 ± 0.15	8.00 ± 0.20	4.50 ± 0.15	12.20 ± 0.30	4.50 ± 0.15	0.93	32.55	34.89	1135.48	5.34
EE16.5	16.50 ± 0.30	6.00 ± 0.10	7.10 ± 0.15	4.60 ± 0.10	11.50 ± 0.20	3.65 ± 0.10	0.86	28.93	33.75	976.39	5.08
EE16.5-1	16.48 ± 0.30	6.50 $^{+0.25}_{-0.30}$	9.00 ± 0.20	3.03 ± 0.15	9.78min	4.20 ± 0.20	0.79	28.55	35.94	1026.09	6.86
EE16.5A	16.50 ± 0.25	10.90 ± 0.20	3.40 ± 0.20	4.25 ± 0.15	12.00min	8.40 ± 0.20	3.18	48.56	15.27	741.51	3.56
EE16.7	16.70 $^{+0.40}_{-0.20}$	7.30 ± 0.15	4.70 ± 0.20	4.00 ± 0.20	12.50min	5.35 ± 0.15	2.22	36.78	16.58	610.22	3.40
EEL16.8	16.80 ± 0.30	12.50 ± 0.30	4.85 ± 0.20	4.00 ± 0.15	12.50min	10.30 ± 0.30	2.84	55.00	19.40	1067.00	5.72
EE17	16.90 ± 0.30	8.60 ± 0.20	7.35 ± 0.15	4.75 ± 0.12	11.55 ± 0.25	5.85 ± 0.15	1.01	38.35	37.80	1449.40	7.36
EEL17	17.00 ± 0.30	10.95 $^{+0.20}_{-0.10}$	3.60 $^{+0.10}_{-0.20}$	5.10 $^{+0.10}_{-0.20}$	12.20 $^{+0.25}_{-0.15}$	8.95 $^{+0.15}_{-0.10}$	3.00	49.82	16.63	828.51	4.40
EEL17A	17.00 $^{+0.30}_{-0.20}$	12.85 ± 0.15	3.55 $^{+0.10}_{-0.20}$	4.80 ± 0.15	12.20 $^{+0.30}_{-0.10}$	10.45 $^{+0.20}_{-0.10}$	3.33	56.74	17.04	966.85	4.78
EEL17B	17.20 ± 0.25	12.40 ± 0.20	4.80 ± 0.20	4.00 ± 0.20	12.60min	10.20 ± 0.20	2.77	56.24	20.28	1140.82	5.64

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)											AL ± 30% (nH/N²)		
CORES	**P4**	**P41**	**P45**	**P451**	**P452**	**P47**	**P48**	**P5**	**P61**	**A05**	**A07**	**A10(L)**	**A121(L)**	**A151(L)**
EE11	1060(ref)													
EEL11.1												1800min		
EE12	2100									2700				
EEL12.8-1	600					700								
EE12.9/10	2600													
EE12.9A	610													
EE13	1250	1170	1370			1330	1250	1070		1650	1950	3300min		
EE13/3.55	1050													
EE13B							1500							
EE13D														
EEL13											1300			
EE13.5							2800							
EE13.7	1800													
EEL14	700													
EEL14A	500													
EEL14.15														
EEL14.6A	650					740								
EE15												2000min		
EEL15.4A											1200			
EE16	1240	1200	1350	1500		1320		1050		2090	2700	4500	5170	
EE16A	1550		1850			1750	1550			2490	2950	6600		
EE16D	1100	1050	1260			1230		910						
EE16F	1200													
EEL16	800	770				900		700		1590	1980	3300	3850	
EE16.4	2500													
EE16.4A	2200	2100	2600			2500								
EE16.5	2560		2780			2720								
EE16.5-1	2400									3600	4300	8200min		
EE16.5A	660													
EE16.7	1050													
EEL16.8	800					950				1400	1800			
EE17						2400								
EEL17	840													
EEL17A	770													
EEL17B										1700				

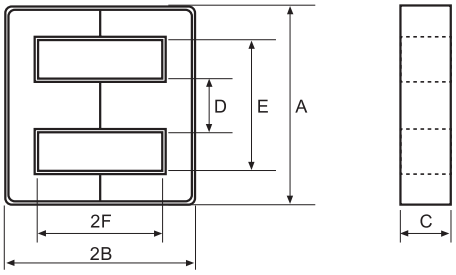
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : EE/EEL Cores

Ordering Code:

P4	EEL19	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

	DIMENSIONS (mm)						EFFECTIVE PARAMETERS				
CORES	A	B	C	D	E	F	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
EE19	19.10 ± 0.30	8.15 ± 0.30	5.00 ± 0.20	4.55 ± 0.15	14.20min	5.70 ± 0.20	1.67	40.00	23.00	954.00	4.52
EE19A	19.00 ± 0.25	8.75 ± 0.20	4.15 ± 0.15	3.20 ± 0.15	14.60 ± 0.25	6.55 ± 0.20	2.70	43.06	15.91	685.13	3.64
EE19B	19.00 ± 0.40	8.30 ± 0.20	4.80 ± 0.20	4.60 ± 0.20	14.30min	5.80 ± 0.20	1.84	40.60	22.10	897.26	4.52
EE19C	19.00 ± 0.40	8.00 ± 0.15	4.80 ± 0.20	4.80 ± 0.20	14.30 ± 0.30	5.70 ± 0.15	1.76	39.63	22.55	893.73	4.86
EE19D	19.55 ± 0.55	8.05 ± 0.35	4.85 ± 0.25	4.85 ± 0.25	14.80min	5.75 ± 0.25	1.76	40.31	22.93	924.63	4.46
EE19.15	19.15 ± 0.40	7.90 ± 0.15	4.80 ± 0.20	4.65 ± 0.15	14.75 ± 0.30	5.60 ± 0.15	1.82	39.65	21.79	863.97	4.36
EE19/16	19.10 ± 0.30	8.10 ± 0.20	7.90 ± 0.20	4.55 ± 0.15	14.20min	$5.70^{+0.10}_{-0.20}$	1.11	40.00	36.00	1507.00	7.10
EEL19	20.00 ± 0.30	13.70 ± 0.25	$5.00^{+0.05}_{-0.20}$	4.55 ± 0.20	14.30min	11.15 ± 0.15	2.46	61.00	25.00	1553.00	7.40
EEL19.4	$19.40^{+0.40}_{-0.20}$	14.25 ± 0.15	$3.55^{+0.10}_{-0.15}$	6.00 ± 0.15	$13.40^{+0.30}_{-0.10}$	$11.25^{+0.20}_{-0.10}$	2.90	61.82	21.30	1316.87	6.30
EEL19A	20.00 ± 0.25	13.95 ± 0.25	$5.00^{+0.05}_{-0.20}$	4.55 ± 0.10	14.70 ± 0.20	11.40 ± 0.15	2.57	63.33	24.59	1557.28	7.50
EEL19D	20.00 ± 0.25	16.00 ± 0.25	$4.90^{+0.15}_{-0.10}$	4.55 ± 0.10	14.70 ± 0.20	13.40 ± 0.15	2.95	71.34	24.16	1723.57	8.82
EE19.8/10.6/5.8	19.80 ± 0.40	5.80 ± 0.20	10.60 ± 0.20	5.70 ± 0.20	14.40 ± 0.30	3.00 ± 0.20	0.50	29.45	59.02	1738.07	9.02
EE20A	20.00 ± 0.25	4.00 ± 0.10	9.95 ± 0.20	4.55 ± 0.15	14.70 ± 0.25	1.90 ± 0.10	0.56	24.77	44.48	1101.67	7.26
EEL20D	20.00 ± 0.25	14.30 ± 0.15	3.70 ± 0.15	6.00 ± 0.15	13.60 ± 0.25	11.30 ± 0.15	2.74	62.32	22.75	1417.78	7.16
EEL20H	20.00 ± 0.40	11.40 ± 0.20	5.65 ± 0.25	5.70 ± 0.20	14.10min	8.70 ± 0.20	1.64	52.09	31.76	1654.36	8.40
EEL20J	20.00 ± 0.40	13.20 ± 0.20	5.65 ± 0.25	5.70 ± 0.20	14.10min	10.50 ± 0.20	1.88	59.36	31.60	1875.21	6.20
EE20.5B	20.50 ± 0.30	10.70 ± 0.15	7.00 ± 0.30	6.00 ± 0.20	14.50 ± 0.30	7.00 ± 0.15	1.06	46.73	44.29	2069.50	12.30
EE22	22.00 ± 0.40	9.20 ± 0.20	5.70 ± 0.30	5.75 ± 0.25	16.00 ± 0.40	5.40 ± 0.20	0.97	41.96	36.26	1610.00	7.80
EEL22	22.25 ± 0.30	15.26 ± 0.30	5.70 ± 0.30	5.70 ± 0.30	15.50min	11.20 ± 0.30	1.77	65.00	37.00	2405.00	11.74
EEL22A	22.40 ± 0.30	22.20 ± 0.30	4.70 ± 0.20	5.80 ± 0.20	16.00 ± 0.20	18.20 ± 0.20	3.15	93.21	29.58	2757.10	13.66
EEL22B	22.00 ± 0.30	30.00 ± 0.25	4.70 ± 0.20	5.80 ± 0.20	$15.90^{+0.25}_{-0.20}$	26.50 ± 0.25	4.43	125.94	28.40	3576.94	17.36
EEL22C	22.40 ± 0.30	27.00 ± 0.20	4.70 ± 0.20	5.80 ± 0.20	15.80min	23.00 ± 0.20	3.86	112.47	29.12	3275.13	16.30
EE25/19	25.40 ± 0.50	9.70 ± 0.30	6.30 ± 0.20	6.35 ± 0.25	18.55min	6.65 ± 0.35	1.21	48.00	40.00	1962.00	9.36
EEL25	25.40 ± 0.40	15.90 ± 0.25	6.35 ± 0.25	6.35 ± 0.30	18.80min	12.70 ± 0.30	1.79	73.00	40.00	3005.00	14.50
EEL25A	25.10 ± 0.25	14.75 ± 0.20	4.75 ± 0.20	8.40 ± 0.20	17.10 ± 0.20	10.85 ± 0.15	1.68	64.61	38.45	2484.25	8.70
EEL25C	25.20 ± 0.25	16.50 ± 0.20	4.00 ± 0.20	8.40 ± 0.20	17.20 ± 0.20	$12.55^{+0.20}_{-0.15}$	2.20	71.60	32.51	2327.60	11.48
EEL25E	25.20 ± 0.30	19.00 ± 0.20	4.00 ± 0.20	8.40 ± 0.20	17.00min	15.00 ± 0.25	2.50	81.48	32.62	2657.72	13.32
EE26.7	26.70 ± 0.50	10.80 ± 0.20	8.00 ± 0.20	7.00 ± 0.20	19.00min	6.80 ± 0.20	0.87	51.37	59.34	3048.50	12.00
EEL26.7	26.70 ± 0.50	17.50 ± 0.20	8.00 ± 0.20	7.00 ± 0.20	19.00min	13.60 ± 0.20	1.34	78.40	58.50	4590.00	15.59
EEL28.4	28.40 ± 0.40	20.40 ± 0.20	11.50 ± 0.20	8.00 ± 0.20	20.00min	16.40 ± 0.20	0.96	90.30	93.70	8462.00	40.80
EEL30	30.20 ± 0.25	18.85 ± 0.20	4.00 ± 0.20	11.25 ± 0.20	19.20 ± 0.20	$13.35^{+0.20}_{-0.15}$	1.77	78.72	44.39	3494.40	17.70
EE30A	$30.00^{+0.80}_{-0.60}$	16.80 ± 0.20	7.05 ± 0.20	6.95 ± 0.20	19.90 ± 0.40	11.30 ± 0.20	1.17	70.80	60.59	4290.00	24.20
EE30.1	30.10 ± 0.70	15.00 ± 0.20	7.05 ± 0.25	6.95 ± 0.25	19.90 ± 0.40	10.00 ± 0.30	1.07	64.86	60.46	3921.66	21.16
EE30.25	30.25 ± 0.75	13.45 ± 0.20	10.70 ± 0.30	10.70 ± 0.30	19.90min	8.00 ± 0.20	0.51	58.00	113.76	6598.02	34.10
EE35A	34.32 ± 0.61	14.12 ± 0.15	9.27 ± 0.25	9.32 ± 0.20	25.53min	9.78 ± 0.13	0.84	69.20	82.64	5719.22	28.78
EE36	36.15 ± 0.85	17.80 ± 0.20	11.25 ± 0.25	9.95 ± 0.25	24.50min	12.00min	0.71	81.72	115.51	9441.04	48.40
EE39.5	39.50 ± 0.80	6.85 ± 0.10	13.50 ± 0.30	4.70 ± 0.30	34.40min	$4.15^{+0.15}_{-0.10}$	0.78	54.24	69.98	3795.72	16.40
EEL40.4	40.40 ± 0.60	30.95 ± 0.25	8.00 ± 0.20	11.20 ± 0.25	29.20 ± 0.50	22.95 ± 0.25	1.36	129.29	94.96	12277.38	64.30
EE42	42.00 ± 0.50	6.48 ± 0.15	13.50 ± 0.30	4.80 ± 0.20	37.00min	4.10 ± 0.15	0.87	56.17	64.90	3645.43	17.26
EE42A	42.15 ± 0.85	21.20 ± 0.40	14.85 ± 0.30	11.85 ± 0.35	29.50mm	15.10 ± 0.30	0.54	97.60	178.00	17400.00	89.40
EE65	$65.00^{+1.50}_{-1.20}$	32.50 ± 0.30	26.90 ± 0.50	19.65 ± 0.35	45.10 ± 0.90	22.60 ± 0.40	0.28	146.93	532.11	78182.92	374.00
EE70	70.50 ± 1.00	33.20 ± 0.20	31.60 ± 0.60	21.65 ± 0.50	$48.00^{+1.50}_{-0.00}$	22.40 ± 0.40	0.22	149.90	674.60	101106.00	517.00

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)											AL ± 30% (nH/N²)		
CORES	**P4**	**P41**	**P45**	**P451**	**P452**	**P47**	**P48**	**P5**	**P61**	**A05**	**A07**	**A10(L)**	**A121(L)**	**A151(L)**
EE19	1300	1250	1370			1420	1300	1040		2240	3000	5100	4000min	4690min
EE19A	900													
EE19B	1200									2120				
EE19C	1300													
EE19D	1360													
EE19.15										2000				
EE19/16	2100									3500	4700	9000		
EEL19	800	770				1050	800			1820	2280	3800		
EEL19.4	900													
EEL19A	800	750	900			880					1900			
EEL19D	900													
EE19.8/10.6/5.8						4400								
EE20A	3536													
EEL20D												2550 ± 35%		
EEL20H												4460min		
EEL20J												3380		
EE20.5B		3400 (P42)												
EE22	1900	1820	2230			2200				2900	3750			
EEL22	1400										3090			
EEL22A	860													
EEL22B	650													
EEL22C	740													
EE25/19	1800	1730	2200			2100		1500		3410	4400	8000	8500min	9500min
EEL25	1330					1450		1030		2580	3200	5600	5320min	
EEL25A	1550													
EEL25C	1200		1300											
EEL25E	1600													
EE26.7		2600												
EEL26.7		1600												
EEL28.4	2400													
EEL30	1530													
EE30A	1900													
EE30.1	2300									3600	4500			
EE30.25	4300													
EE35A	3150					3300				5000	6300			
EE36	3500	3200	3950			3850								
EE39.5							2800							
EEL40.4	1940													
EE42							2600							
EE42A										7500				
EE65	9500													
EE70	10000													

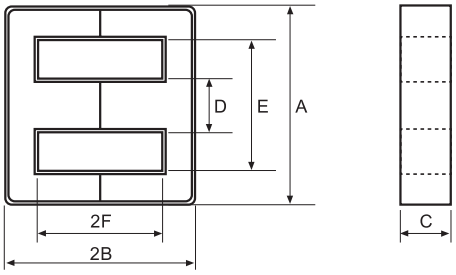
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : EF Cores

Ordering Code:

P4	EF16	G□
Material 材質	Core Size 品名	Gapped AL Value

Shape:



■ DIMENSIONS

CORES	DIMENSIONS (mm)					
	A	B	C	D	E	F
EF10	10.00 ± 0.30	5.00 ± 0.10	2.75 ± 0.15	2.88 ± 0.15	7.25 ± 0.25	3.63 ± 0.15
EF12	12.00 $^{+0.20}_{-0.30}$	7.40 ± 0.10	3.60 ± 0.20	3.60 ± 0.15	8.80min	5.35 ± 0.15
EF12.6	12.60 $^{+0.50}_{-0.40}$	6.40 ± 0.10	3.60 ± 0.20	3.65 ± 0.15	8.80min	4.65 ± 0.15
EF12.6A	12.60 ± 0.40	6.90 ± 0.20	3.55 ± 0.15	3.50 ± 0.30	9.20 ± 0.30	4.90 ± 0.20
EF12.6D	12.65 ± 0.45	6.40 ± 0.10	3.55 ± 0.15	3.55 ± 0.15	8.90min	4.65 ± 0.15
EF12.6F	12.60 $^{+0.50}_{-0.40}$	7.40 ± 0.10	3.55 ± 0.15	3.65 ± 0.15	8.90min	5.65 ± 0.15
EF12.6K/3.7	12.60 ± 0.40	6.40 ± 0.10	3.55 ± 0.15	3.55 ± 0.15	9.20 ± 0.30	4.65 ± 0.15
EF12.8	12.80 ± 0.30	10.00 ± 0.20	4.90 ± 0.20	3.70 ± 0.20	8.90min	8.30 ± 0.20
EF12.9	12.90 ± 0.25	6.50 ± 0.15	3.60 ± 0.15	3.60 ± 0.15	9.60 ± 0.20	4.65 ± 0.15
EF13/14	13.40 ± 0.35	7.45 ± 0.20	3.60 ± 0.15	3.60 ± 0.15	9.50 ± 0.25	5.35 ± 0.15
EF13B	13.00 ± 0.25	6.75 ± 0.15	3.60 ± 0.15	3.60 ± 0.15	9.50 ± 0.20	4.90 ± 0.15
EF13.5	13.50 ± 0.30	6.75 ± 0.15	6.00 $^{+0.15}_{-0.20}$	2.85 ± 0.15	10.50 ± 0.25	5.25 ± 0.20
EF16	16.10 ± 0.60	8.05 ± 0.15	4.50 ± 0.20	4.55 ± 0.15	11.30min	5.90 ± 0.20
EF16A	16.00 ± 0.30	7.95 ± 0.15	4.35 ± 0.15	4.35 ± 0.15	11.40min	5.80 ± 0.15
EF16C	16.00 $^{+0.70}_{-0.50}$	8.05 ± 0.15	4.50 ± 0.20	4.55 ± 0.15	11.80min	5.90 ± 0.20
EF16.2	16.20 ± 0.40	9.50 ± 0.15	3.45 ± 0.15	4.60 ± 0.15	11.30min	7.25 ± 0.20
EF16.2A	16.20 ± 0.40	8.35 ± 0.15	4.50 ± 0.15	4.50 ± 0.15	11.70min	6.20 ± 0.20
EF17	17.00 $^{+0.70}_{-0.50}$	8.20 $^{+0.00}_{-0.30}$	4.70 $^{+0.00}_{-0.40}$	4.70 $^{+0.00}_{-0.30}$	12.30 $^{+0.60}_{-0.00}$	5.70 $^{+0.40}_{-0.00}$
EF20	20.00 ± 0.40	9.90 ± 0.20	5.65 ± 0.25	5.70 ± 0.20	14.10min	7.20 ± 0.20
EF20/20.4	20.00 ± 0.40	10.20 ± 0.20	5.65 ± 0.25	5.70 ± 0.20	14.10min	7.50 ± 0.20
EF20A	20.00 ± 0.40	10.60 ± 0.15	5.70 ± 0.20	5.70 ± 0.20	14.40 ± 0.30	7.60 ± 0.15
EF20F	20.00 ± 0.40	10.15 ± 0.15	10.75 ± 0.25	5.70 ± 0.20	14.10min	7.45 ± 0.20
EF20.4	20.40 ± 0.40	9.90 ± 0.20	5.65 ± 0.25	5.70 ± 0.20	14.60min	7.20 ± 0.20
EF20.5	20.50 ± 0.40	9.80 ± 0.20	4.65 ± 0.25	5.70 ± 0.20	14.60min	7.10 ± 0.20
EF24	24.00 ± 0.60	12.00 ± 0.35	5.75 ± 0.25	5.80 ± 0.20	16.30 ± 0.40	8.25 ± 0.25
EF25	25.05 ± 0.75	12.55 ± 0.25	7.20 ± 0.30	7.25 ± 0.25	17.50min	8.95 ± 0.25
EF25A	25.05 ± 0.75	12.80 ± 0.25	8.85 ± 0.25	7.25 ± 0.25	17.50min	8.95min

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
EF10	3.02	23.23	7.68	178.41	0.90
EF12	2.64	32.15	12.18	391.59	2.06
EF12.6	2.39	29.60	12.40	367.00	1.88
EF12.6A	2.44	31.05	12.70	394.30	2.06
EF12.6D	2.41	29.77	12.35	367.66	1.76
EF12.6F	2.60	33.47	12.89	431.43	2.06
EF12.6K/3.7	2.41	29.72	12.35	367.04	1.92
EF12.8	2.42	43.97	18.19	799.76	3.94
EF12.9	2.38	30.15	12.63	380.79	1.88
EF13/14	2.41	33.44	13.85	463.21	2.28
EF13B	2.68	32.30	12.07	389.86	2.04
EF13.5	1.88	33.28	17.67	588.06	2.86
EF16	1.87	37.60	20.10	754.00	3.70
EF16A	1.93	37.11	19.22	713.25	3.62
EF16C	2.01	37.69	18.74	706.49	3.70
EF16.2	2.71	43.08	15.91	685.30	4.52
EF16.2A	1.95	38.80	19.90	772.00	3.92
EF17	1.87	38.34	20.48	785.20	3.90
EF20	1.34	44.90	33.50	1500.00	7.30
EF20/20.4	1.47	47.15	32.10	1513.52	7.24
EF20A	1.47	48.22	32.71	1577.54	7.98
EF20F	0.79	47.16	59.95	2827.30	14.00
EF20.4	1.49	46.62	31.28	1458.60	7.46
EF20.5	1.80	46.32	25.75	1192.74	8.42
EF24	1.38	53.82	38.88	2092.52	11.00
EF25	1.09	57.50	52.84	3038.30	14.68
EF25A	0.87	57.87	66.16	3829.30	19.44

ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)								AL ± 30% (nH/N^2)		
	P4	P45	P451	P452	P5	P61	A05	A07	A10(L)	A121(L)	A151(L)
EF10	670										
EF12										2500min	
EF12.6	830	1050			780		1660	2100	3500	4000	4650
EF12.6A	800										
EF12.6D	830										
EF12.6F									2450min		
EF12.6K/3.7	850										
EF12.8											
EF12.9	830								3900		
EF13/14	860										
EF13B	850										
EF13.5	1020										
EF16	1100				1000		1950	2540	4200min	4500min	5000min
EF16A							1660	1950			
EF16C	1100										
EF16.2	1000										
EF16.2A							1660				
EF17	1265										
EF20	1570	2000			1450		2920	3800	6350min	6500min	
EF20/20.4	1550										
EF20A	1450						2400	2940	3560		
EF20F	2850										
EF20.4									6250min		
EF20.5				770(P491)							
EF24	1800										
EF25	2000	2500			1870		3750	4880	8150min		
EF25A	1800min										

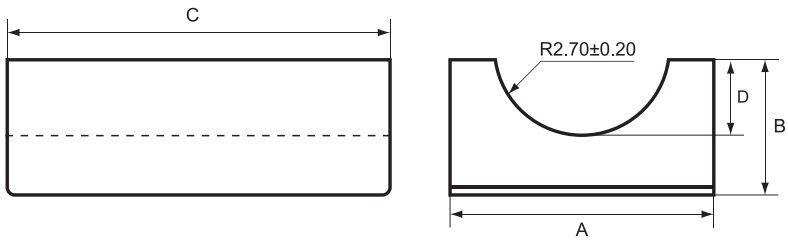
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Gapped core is available, please specify upon request & ordering. ACME's standard gapped core set is a combination of one gapped core and one ungapped core. If gapping on both pcs to make a set is needed, please specify upon request & ordering.
3. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
4. Customized dimensions are available.

Type : RF Cores

Ordering Code:

A05	RF10x5.1x20
Material 材質	Core Size 品名

Shape:



■ DIMENSIONS

CORES	DIMENSIONS (mm)			
	A	B	C	D
RF10x5.1x20	10.00 ± 0.30	5.10 ± 0.10	20.00 ± 0.50	2.70 ± 0.20

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
RF10x5.1x20	0.51	22.72	44.57	1013	3.67

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)					
	P4	P41	P45	P451	A05	A07
RF10x5.1x20					3600	

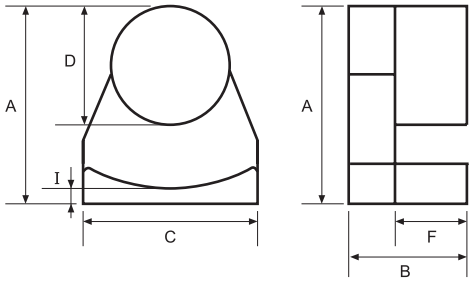
Remark:
1.AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Customized dimensions are available.

Type : UR Cores

Ordering Code:

P4	UR41
Material 材質	Core Size 品名

Shape:



■ DIMENSIONS

CORES	DIMENSIONS (mm)					
	A	B	C	D	F	I
UR41	41.00 ± 0.80	30.00 ± 0.20	34.00 ± 0.50	20.00 ± 0.35	22.00 ± 0.30	4.50 ± 0.25

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
UR41	0.40	126.77	314.16	39825.65	201.00

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)				AL ± 30% (nH/N^2)			
	P4	P47	P5	A07	A10	A102	A121	A151
UR41		4550						

Remark:
Customized dimensions are available.

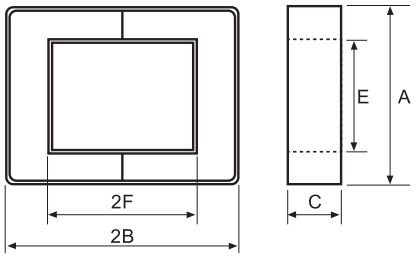
Type : UU Cores

Ordering Code: A10 | UU10.5 | L

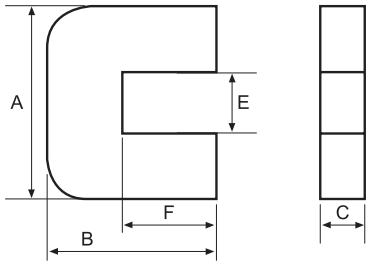
A10	UU10.5	L
Material 材質	Core Size 品名	Lapping 鏡面抛光

Shape:

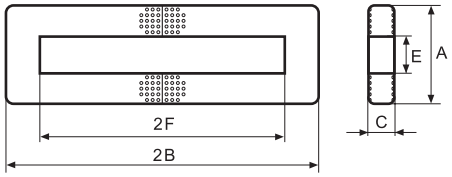
Type:1



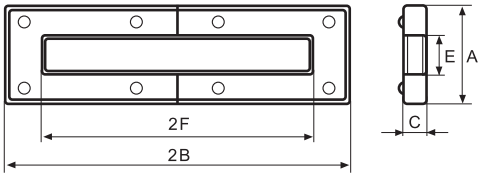
Type:2



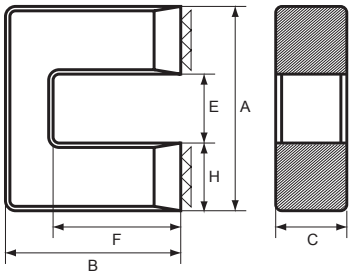
Type:3



Type:4



Type:5



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) A	B	C	E	F	H	Type
UU4.6	4.60 ± 0.20	6.05 ± 0.10	3.60 ± 0.10	2.40min	4.65 ± 0.15	–	1
UU4.7	4.70 ± 0.10	1.90 ± 0.10	2.40 ± 0.10	3.00min	1.20 ± 0.10	–	1
UU5.2	5.20 $^{+0.10}_{-0.20}$	7.40 ± 0.15	2.85 ± 0.10	2.25 ± 0.15	5.85 ± 0.15	–	1
UU8.5	8.50 ± 0.20	4.70 ± 0.15	3.60 ± 0.15	3.50 ± 0.15	2.40 ± 0.15	–	1
UU8.5A	8.50 ± 0.15	3.50 ± 0.10	10.00 ± 0.15	4.00 ± 0.15	1.00 ± 0.10	–	1
UU8.65	8.65 ± 0.20	7.50 ± 0.15	4.00 ± 0.20	4.60min	5.60 ± 0.15	1.90 ± 0.10	5
UU9.5	9.50 ± 0.20	6.80 ± 0.20	3.90 ± 0.10	3.50 ± 0.20	3.50 ± 0.20	–	1
UU9.8	9.80 ± 0.20	7.20 ± 0.10	2.70 ± 0.20	4.20min	4.20 ± 0.20	–	1
UU9.8B	9.80 ± 0.30	9.00 ± 0.20	3.40 ± 0.20	3.65min	6.00 ± 0.20	–	1
UU10B	10.00 $^{+0.30}_{-0.20}$	5.00 $^{+0.00}_{-0.20}$	6.00 ± 0.20	4.50min	2.40 ± 0.10	–	1
UU10.5	10.50 ± 0.25	8.00 ± 0.30	5.00 ± 0.15	5.35min	5.30 ± 0.30	–	1
UU11	11.00 $^{+0.00}_{-0.60}$	8.10 $^{+0.10}_{-0.20}$	5.45 ± 0.20	5.50 ± 0.20	5.80 $^{+0.20}_{-0.10}$	–	1
UU11.2A	11.15 ± 0.25	14.05 ± 0.10	7.40 ± 0.20	4.55 ± 0.25	10.80 ± 0.15	–	1
UU12	12.00 ± 0.30	7.90 ± 0.10	4.45 ± 0.15	7.20min	5.65 ± 0.10	–	1
UU13.5	13.50 ± 0.25	10.50 ± 0.10	3.55 ± 0.20	4.15 ± 0.15	7.90 ± 0.10	–	2
UU14	14.00 ± 0.30	30.60 ± 0.20	3.40 ± 0.25	5.00 ± 0.30	23.60 ± 0.20	–	4
UU15	15.20 ± 0.70	11.40 ± 0.50	6.45 ± 0.25	5.20min	6.25 ± 0.35	–	1
UU15.1	15.10 ± 0.30	30.65 ± 0.20	3.20 ± 0.20	6.10 ± 0.25	24.65 ± 0.20	–	4
UU15.1B	15.10 ± 0.30	32.00 ± 0.20	3.20 ± 0.25	6.10 ± 0.30	26.00 ± 0.20	–	1
UU16	16.00 ± 0.30	10.00 ± 0.20	6.00 ± 0.15	6.70min	6.00 ± 0.15	–	1
UU16.5	16.50 ± 0.30	29.90 ± 0.20	3.70 ± 0.15	5.50 ± 0.25	23.90 ± 0.20	–	3
UU16.5A	16.50 ± 0.30	22.65 ± 0.20	3.70 ± 0.20	5.50 ± 0.25	16.65 ± 0.20	–	3
UU16.6	16.60 ± 0.30	29.30 ± 0.30	4.00 ± 0.20	5.60 ± 0.20	24.30 ± 0.20	–	4
UU17.8	17.80 ± 0.30	35.50 ± 0.20	3.30 ± 0.20	5.80 ± 0.25	29.50 ± 0.20	–	4
UU17.8B	17.80 ± 0.30	36.20 ± 0.20	3.30 ± 0.20	5.80 ± 0.25	30.20 ± 0.20	–	1
UU18	18.00 ± 0.30	10.50 ± 0.15	8.00 ± 0.20	7.00 ± 0.20	6.50 ± 0.15	–	2
UU18.2	18.20 ± 0.40	31.20 ± 0.20	3.50 ± 0.20	6.20 ± 0.25	25.20 ± 0.20	–	4
UU18.5	18.50 ± 0.30	36.90 ± 0.20	5.70 ± 0.18	6.50 ± 0.25	30.90 ± 0.20	–	1
UU19	19.05 ± 0.35	17.00 ± 0.15	2.00 ± 0.10	4.35 ± 0.10	11.60 ± 0.15	–	2
UU19.4	19.40 ± 0.30	11.00 ± 0.20	4.50 ± 0.20	6.60 ± 0.30	8.00 ± 0.20	6.40 ± 0.20	5
UU19.6	19.60 ± 0.30	18.30 ± 0.20	5.00 ± 0.15	10.60 ± 0.30	13.30 ± 0.20	–	1
UU19.6A	19.60 ± 0.40	37.60 ± 0.20	3.80 ± 0.20	5.00 ± 0.25	29.80 ± 0.20	–	4
UU19.6B	19.60 ± 0.30	38.00 ± 0.20	3.80 ± 0.20	5.00 ± 0.25	30.20 ± 0.20	–	1
UU22	22.00± 0.30	15.00 ± 0.25	10.00 ± 0.30	12.00min	10.00 ± 0.25	–	1
UU24	24.00 ± 0.35	21.60 ± 0.20	3.60 ± 0.20	5.00 ± 0.20	13.60 ± 0.20	–	4
UU32.5	32.50 ± 0.50	27.75 ± 0.25	12.50 ± 0.20	13.50 ± 0.20	18.20 ± 0.20	–	1

EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
UU4.6	6.74	26.94	4.00	107.80	0.56
UU4.7	7.52	13.31	1.77	23.56	0.12
UU5.2	4.69	32.64	4.25	138.60	0.70
UU8.5	2.78	24.11	8.66	208.77	1.12
UU8.5A	0.81	19.43	23.93	465.00	2.48
UU8.65	5.01	38.06	7.60	289.26	1.46
UU9.5	2.54	30.85	12.11	373.87	1.96
UU9.8	4.30	34.00	8.00	271.00	1.26
UU9.8B	4.05	41.09	10.14	416.62	2.22
UU10B	1.68	26.99	16.04	432.97	2.24
UU10.5	3.14	40.00	13.00	518.00	2.52
UU11	3.00	41.88	13.95	584.26	2.92
UU11.2A	2.57	62.58	24.33	1523.00	7.76
UU12	4.39	44.54	10.14	451.63	2.24
UU13.5	6.78	89.15	13.14	636.83	3.72
UU14	7.51	120.60	16.05	1935.54	10.14
UU15	1.58	51.00	33.00	1673.00	8.16
UU15.1	8.46	126.35	14.93	1886.41	9.60
UU15.1B	8.84	131.74	14.90	1963.54	10.00
UU16	1.93	52.00	27.00	1381.00	6.56
UU16.5	6.04	124.57	20.62	2568.33	13.00
UU16.5A	4.62	95.58	20.70	1978.59	10.22
UU16.6	5.76	124.78	21.65	2701.31	13.50
UU17.8	7.79	142.71	18.32	2614.45	14.60
UU17.8B	7.64	151.25	19.80	2994.77	14.86
UU18	1.42	53.90	37.90	2047.00	11.00
UU18.2	6.29	132.05	21.00	2773.05	13.84
UU18.5	4.55	155.45	34.20	5316.39	26.36
UU19	5.47	70.60	12.90	910.74	7.30
UU19.4	2.79	53.93	19.35	1043.55	6.98
UU19.6	3.84	89.15	23.21	2069.17	10.15
UU19.6A	5.46	152.87	27.99	4278.83	22.00
UU19.6B	5.52	154.47	27.99	4323.62	21.66
UU22	1.63	80.06	49.09	3929.91	19.40
UU24	2.81	91.56	32.58	2982.94	15.20
UU32.5	1.11	129.31	116.80	15103.41	82.26

EFFECTIVE PARAMETERS

CORES	AL ± 25% (nH/N^2)								AL ± 30% (nH/N^2)			
	P4	P41	P451	P47	P5	P61	A05	A07	A10	A10(L)	A121(L)	A151(L)
UU4.6							600					
UU4.7	180											
UU5.2	480											
UU8.5												
UU8.5A					1400(P51)							
UU8.65										1390min		
UU9.5							1300					
UU9.8	500				450		930	1300	1470	1600	1309min	1509min
UU9.8B									1400			
UU10B							1900					
UU10.5	720			800	650		1220	1650	1800	2800	2800min	4010
UU11	720						1300					
UU11.2A	930											
UU12												
UU13.5	680											
UU14	430											
UU15	1350			1500	1300		2680	3320		6000		
UU15.1	340											
UU15.1B	320											
UU16	1140				1050		2140	2720	3280	5710	5100min	5700min
UU16.5	470											
UU16.5A												
UU16.6	490											
UU17.8	430											
UU17.8B	440											
UU18									4000			
UU18.2	500											
UU18.5	500											
UU19	500											
UU19.4										4200		
UU19.6	695											
UU19.6A	530											
UU19.6B	570											
UU22												
UU24				1300								
UU32.5		2490										

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 10Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. L : Mirror Finished Lapping. Please specify upon request & ordering by adding "L" at the end of Core Size if you need.
3. Customized dimensions are available.

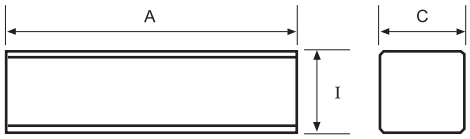
Type : I Cores

Ordering Code: P4 I3.95*3.95*5.55

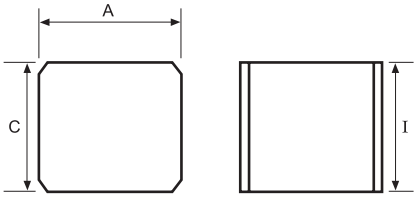
Material 材質 | Core Size 品名

Shape:

Type:1



Type:2



■ DIMENSIONS

CORES	DIMENSIONS (mm)			Wt(g/set)	Type
	A	C	I		
I3.95x3.95x5.55	3.95 ± 0.10	3.95 ± 0.10	5.55 ± 0.05	0.42	2
I4.5x4.5x5.2	4.50 ± 0.10	4.50 ± 0.10	5.20 ± 0.05	1.01	1
I4.6x3.2x3.43	4.60 ± 0.10	3.20 ± 0.10	3.43 ± 0.05	0.24	2
I4.8x4.85x5.85	4.80 ± 0.10	4.85 ± 0.10	5.75 ± 0.10	0.07	2
I5.7x3.45x6	5.70 ± 0.10	3.45 ± 0.10	6.00 ± 0.05	0.56	1
I6x3.45x5.7	6.00 ± 0.10	3.45 ± 0.10	5.70 ± 0.05	0.53	1
I6x4.2x7.28	6.00 ± 0.10	4.20 ± 0.10	7.28 ± 0.05	0.87	1
I6x6x7	6.00 ± 0.10	6.00 ± 0.10	7.00 ± 0.05	1.20	2
I6.1x4.9x7.5	6.10 ± 0.10	4.90 ± 0.10	7.50 ± 0.05	1.05	1
I6.5x4.85x7.5	6.50 ± 0.10	4.85 ± 0.10	7.50 ± 0.05	1.12	1
I7x5x6.3	7.00 ± 0.10	5.00 ± 0.10	6.30 ± 0.05	1.04	1
I8.6x7.7x2.85	8.60 ± 0.10	7.70 ± 0.10	2.85 ± 0.05	0.89	1
I8x8x8	$8.00^{+0.25}_{-0.15}$	$8.00^{+0.25}_{-0.15}$	$8.00^{+0.25}_{-0.15}$	2.48	2
I8.5x8.5x8.4	8.50 ± 0.15	8.50 ± 0.15	8.40 ± 0.10	2.86	2
I10x5x1	10.00 ± 0.15	5.00 ± 0.10	1.00 ± 0.10	0.23	1
I13.7x7.15x1.5	13.70 ± 0.30	7.15 ± 0.20	1.50 ± 0.10	0.68	1
I15.5x13x11.6	15.50 ± 0.15	13.00 ± 0.15	11.60 ± 0.10	11.05	2
I19.8x6.6x2.2	19.80 ± 0.40	6.60 ± 0.20	2.20 ± 0.15	1.39	1
I20x19x4	20.00 ± 0.40	19.00 ± 0.40	4.00 ± 0.10	7.30	1
I21x18x7	21.00 ± 0.35	18.00 ± 0.30	7.00 ± 0.15	12.82	1
I30x4x2	30.00 ± 0.50	4.00 ± 0.15	2.00 ± 0.15	1.12	1
I35x35x0.8	35.00 ± 0.60	35.00 ± 0.60	0.80 ± 0.10	4.83	2
I45x7x3	45.00 ± 0.50	7.00 ± 0.20	3.00 ± 0.10	4.54	1
I47x9x3	47.00 ± 0.70	9.00 ± 0.20	3.00 ± 0.15	6.02	1

Remark: Customized dimensions are available.

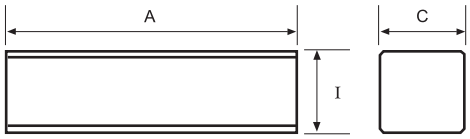
Type : I Cores

Ordering Code: P41 55*7*3

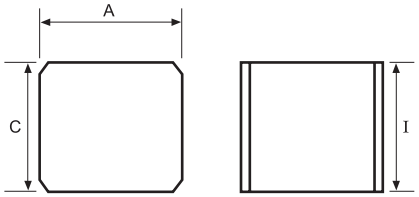
Material 材質 | Core Size 品名

Shape:

Type:1



Type:2



■ DIMENSIONS

CORES	DIMENSIONS (mm)			Wt(g/set)	Type
	A	C	I		
I50x8Ax2.5	50.00 ± 0.70	8.00 ± 0.20	2.50 ± 0.10	4.90	1
I50x8Bx2.5	50.00 ± 0.70	8.00 ± 0.20	2.50 ± 0.15	4.80	1
I50x12x2.8	50.00 ± 0.80	12.05 ± 0.30	2.80 ± 0.15	8.00	1
I50x30x0.8	50.00 ± 0.80	30.00 ± 0.50	0.80 ± 0.10	5.76	1
I53x12x3	53.00 ± 0.80	11.90 ± 0.20	3.00 ± 0.15	9.10	1
I55x7x3	55.00 ± 1.00	7.00 ± 0.20	3.00 ± 0.20	5.54	1
I60x7.9Ax2	60.00 ± 1.00	7.90 ± 0.20	2.00 ± 0.20	4.00	1
I60x9x2.5	60.00 ±1.00	9.00 ± 0.20	2.50 ± 0.15	6.45	1
I62x8x3	62.00 ± 1.00	8.00 ± 0.30	3.00 ± 0.20	7.21	1
I63x7x3	63.00 ± 1.00	7.00 ± 0.20	3.00 ± 0.15	6.30	1
I64x8x3	64.00 ± 1.00	8.00 ± 0.20	3.00 ± 0.10	7.40	1
I66x12x3	66.00 ± 1.00	12.00 ± 0.20	3.00 ± 0.15	11.40	1
I66x12Ax3	66.00 ± 0.40	$12.00^{+0.00}_{-0.30}$	$3.00^{+0.00}_{-0.15}$	11.40	1
I68x7x2.9	68.00 ± 1.00	7.00 ± 0.20	2.90 ± 0.10	6.63	1
I70x13Bx4	70.00 ± 1.00	13.00 ± 0.25	4.00 ± 0.20	17.29	1
I79.5x8x2.5	79.50 ± 1.00	8.00 ± 0.30	2.50 ± 0.15	7.63	1
I80x19x4	80.00 ± 1.20	19.00 ± 0.30	4.00 ± 0.10	28.88	1
I86.5x13.25x4.85	86.50 ± 0.85	13.25 ± 0.25	4.85 ± 0.15	26.68	1
I86x14.65x4.85	86.00 ± 1.00	14.65 ± 0.25	4.85 ± 0.15	29.33	1
I90x8x3.85	90.00 ± 1.50	8.00 ± 0.30	3.85 ± 0.15	13.31	1
I99.5x12x5	99.50 ± 2.00	12.00 ± 0.30	5.00 ± 0.15	28.66	1
I99.5x12Ax4.8	99.50 ± 1.50	12.00 ± 0.25	4.80 ± 0.20	55.73	1
I110x6x5	110.00 ± 1.50	6.00 ± 0.35	5.00 ± 0.25	14.20	1

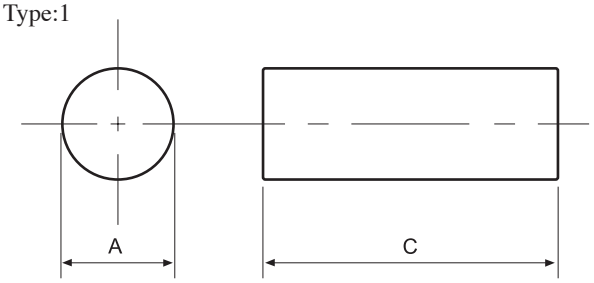
Remark: Customized dimensions are available.

Type : R Cores

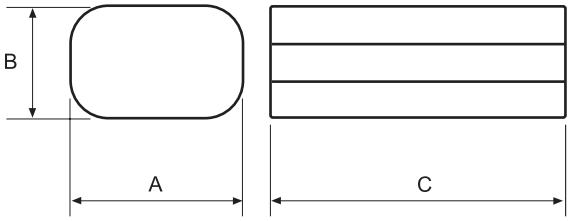
Ordering Code: P4 (Material 材質) R8*22 (Core Size 品名)

Shape:

Type:1



Type:2

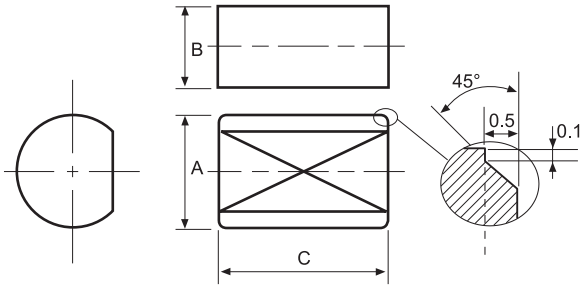


■ DIMENSIONS AND EFFECTIVE PARAMETERS

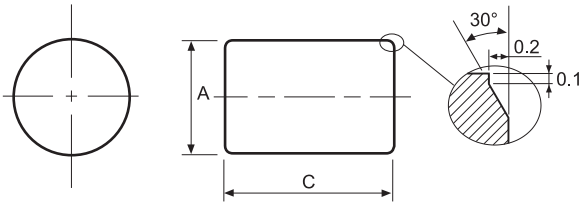
CORES	DIMENSIONS (mm) A	B	C	Wt(g/set)	Type
R1.16x7.1	1.16 ± 0.08	–	7.10 ± 0.10	0.04	1
R1.7x18	1.70 ± 0.15	–	18.00 ± 0.50	0.18	1
R2.5x18	2.50 ± 0.20	–	18.00 ± 0.50	0.40	1
R3x19	3.00 ± 0.20	–	19.00 ± 0.20	0.65	1
R3.5x5.4	3.50 ± 0.10	–	$5.40^{+0.10}_{-0.05}$	0.21	1
R4x5	4.00 ± 0.10	–	$5.00^{+0.10}_{-0.05}$	0.30	1
R4.2x6.1	4.20 ± 0.10	–	6.10 ± 0.10	0.80	1
R4.3x7	4.30 ± 0.10	–	7.00 ± 0.10	0.64	1
R4.5x5.8	4.50 ± 0.10	–	5.80 ± 0.10	0.50	1
R4.5x22	4.50 ± 0.20	–	22.00 ± 0.45	1.69	1
R4.7x4.3	4.70 ± 0.10	–	4.30 ± 0.10	0.36	4
R5x3.6x8	5.00 ± 0.15	3.60 ± 0.15	8.00 ± 0.15	0.50	2
R5x7	5.00 ± 0.10	–	7.00 ± 0.10	0.51	1
R5Bx30	$5.00^{+0.00}_{-0.30}$	–	30.00 ± 1.00	2.63	1
R5.5x7.9	5.50 ± 0.10	–	7.90 ± 0.10	0.93	1
R5.8x5.2	5.80 ± 0.10	–	5.20 ± 0.10	0.65	1
R5.9x5.8	5.90 ± 0.10	–	$5.80^{+0.00}_{-0.10}$	0.75	1
R6x15	6.00 ± 0.15	–	15.00 ± 0.20	4.06	1
R6.35Ax22	6.35 ± 0.20	–	22.20 ± 0.50	3.31	1
R6.5x8.2	6.50 ± 0.15	–	8.20 ± 0.20	1.29	1
R6.65x30	6.65 ± 0.15	–	30.00 ± 0.60	5.07	1

Remark:
1. Black epoxy coating, breakdown voltage : 500vdc min 3sec 0.5mA.
2. Customized dimensions are available.

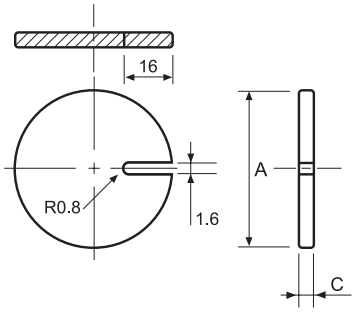
Type:3



Type:4



Type:5



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm)			Wt(g/set)	Type
	A	B	C		
R7x7.6	7.00 ± 0.15	–	7.60 ± 0.10	1.40	1
R7.1x1.0	7.10 ± 0.15	–	1.00 ± 0.08	0.19	1
R7.5x20	7.60 ± 0.10	–	19.85 ± 0.40	4.50	1
R7.85x25	$7.85^{+0.00}_{-0.40}$	–	25.00 ± 0.80	5.46	1
R8x22	8.00 ± 0.20	–	22.00 ± 0.60	5.20	1
R8x25	8.00 ± 0.60	–	25.00 ± 0.60	6.03	1
R8Dx25	7.85 ± 0.15	–	25.00 ± 0.80	5.74	1
R9.4x8	9.40 ± 0.20	–	8.00 ± 0.20	2.63	1
R10x60	10.00 ± 0.20	–	60.00 ± 0.50	22.38	1
R12x32	12.00 ± 0.30	11.00 ± 0.30	32.00 ± 1.00	16.00	3
R12Dx3.5	12.00 ± 0.20	–	3.50 ± 0.10	1.90	1
R12.6x7.75	12.60 ± 0.20	–	7.75 ± 0.20	4.64	4
R13.2x5	13.20 ± 0.20	–	5.00 ± 0.10	3.32	1
R14x0.8	14.00 ± 0.20	–	0.80 ± 0.10	0.59	1
R14.35x5	14.35 ± 0.25	–	5.00 ± 0.10	3.88	1
R15x1.9	15.00 ± 0.20	–	1.90 ± 0.05	1.63	1
R16.5x2.1	16.50 ± 0.25	–	2.10 ± 0.20	2.17	1
R20x4	20.00 ± 0.35	–	4.00 ± 0.35	6.03	1
R23x1.0	23.00 ± 0.35	–	1.00 ± 0.10	2.01	1
R29x17.4	29.00 ± 0.40	–	17.40 ± 0.30	54.30	4
R30x40	30.00 ± 0.45	–	40.00 ± 0.50	137.20	4
R50x1	50.00 ± 0.70	–	1.00 ± 0.10	9.72	1
R50Ax1.2	50.00 ± 0.75	–	1.20 ± 0.15	11.22	5

Remark:
1. Black epoxy coating, breakdown voltage : 500vdc min 3sec 0.5mA.
2. Customized dimensions are available.

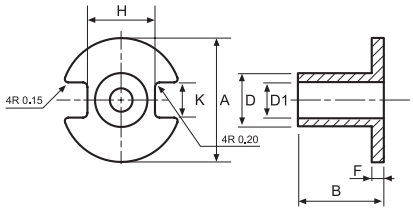
Type : ZT Cores

Ordering Code: P47 ZT5.6

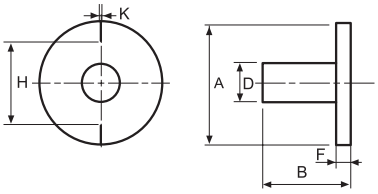
Material 材質 | Core Size 品名

Shape:

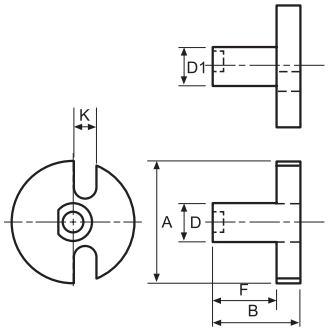
Type:1



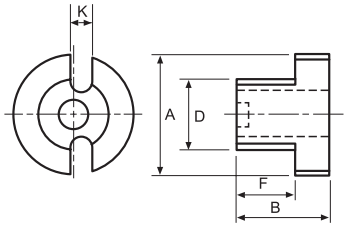
Type:2



Type:3



Type:4



■ DIMENSIONS

CORES	DIMENSIONS (mm)							Wt(g/set)	Type
	A	C	D	D1	F	H	K		
ZT5.35H	$5.50^{+0.00}_{-0.30}$	$1.65^{+0.00}_{-0.02}$	$2.40^{+0.00}_{-0.15}$	$0.95^{+0.10}_{-0.00}$	$1.10^{+0.15}_{-0.00}$	$3.10^{+0.00}_{-0.20}$	$1.40^{+0.20}_{-0.00}$	0.05	1
ZT5.6	5.60 ± 0.10	4.07ref	1.70 ± 0.10	–	3.90 ± 0.15	3.80ref	0.10ref	0.13	2
ZT8.8A	9.00 ± 0.20	4.60 ± 0.15	3.00 ± 0.15	2.60 ± 0.15	3.00 ± 0.15	–	1.80 ± 0.20	0.90	3
ZT13.8	13.80 ± 0.20	5.50 ± 0.15	6.50 ± 0.15	–	3.60 ± 0.15	–	2.70 ± 0.25	3.32	4
ZT24.8	$24.80^{+0.75}_{-0.00}$	10.00 ± 0.15	14.60 ± 0.25	–	5.10 ± 0.15	–	3.00 ± 0.25	21.16	4

Remark: Customized dimensions are available.

Type : RID Cores

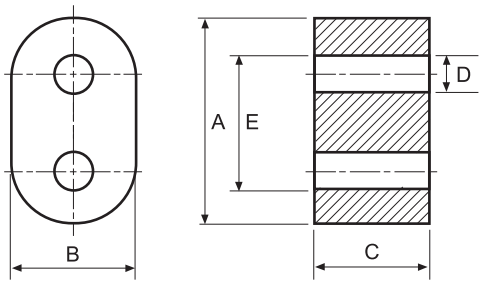
Ordering Code:

A05	RID3.51*2.06*2.54	HP
Material 材質	Core Size 品名	Coating 塗裝

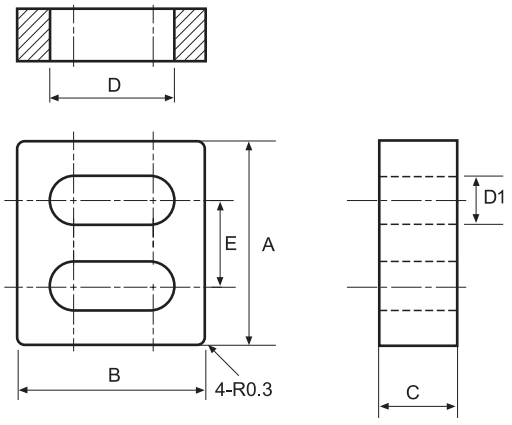
C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free

Shape:

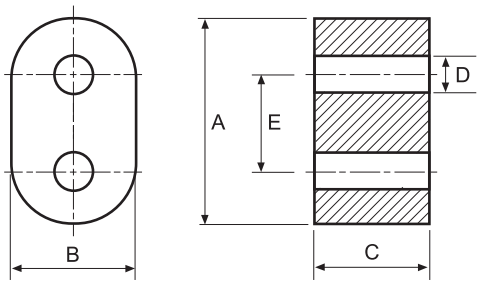
Type:1



Type:2



Type:3



■ DIMENSIONS

CORES	DIMENSIONS (mm)						Type
	A	B	C	D	D1	E	
RID2.5x2.1x1.0	2.50 ± 0.15	2.10 ± 0.15	1.00 ± 0.15	1.00 ± 0.15	0.55 ± 0.15	1.20 ± 0.15	2
RID3.45x2.01x2.4	3.45 ± 0.15	2.01 ± 0.15	2.40 ± 0.15	0.86 ± 0.10	–	2.31 ± 0.10	1
RID3.5x2x2HP	3.50 ± 0.15	2.00 ± 0.15	2.00 ± 0.15	0.90 ± 0.10	–	1.78 (ref)	3
RID3.51x2.06x2.54	3.51 ± 0.15	2.06 ± 0.15	2.54 ± 0.15	0.86 ± 0.10	–	2.34 ± 0.10	1
RID3.6x2.1x1.8	3.60 ± 0.25	2.10 ± 0.20	1.80 ± 0.15	0.80 ± 0.15	–	2.33 ± 0.25	1
RID3.6Ax2x1.8	3.60 ± 0.25	2.00 ± 0.20	1.80 ± 0.20	0.86 ± 0.15	–	2.37 ± 0.22	1
RID3.66x2.36x2.36	3.66 ± 0.20	2.36 ± 0.20	2.36 ± 0.15	1.12 ± 0.10	–	2.50 ± 0.20	1
RID5x3x3	5.00 ± 0.30	3.00 ± 0.20	3.00 ± 0.30	1.20 ± 0.20	–	3.20 ± 0.20	1
RID6.9x4.06x6.35	6.90 ± 0.30	4.06 ± 0.25	6.35 ± 0.38	1.85 ± 0.15	–	2.92 (ref)	3
RID13.3x7.5x14.35	13.30 ± 0.50	7.50 ± 0.25	14.35 ± 0.40	3.80 ± 0.20	–	9.50 ± 0.20	1
RID19.45x9.5x12.7	19.45 ± 0.50	9.50 ± 0.25	12.70 ± 0.45	4.75 ± 0.20	–	9.90 ± 0.25	3

Remark: Customized dimensions are available.

Type : ET Cores

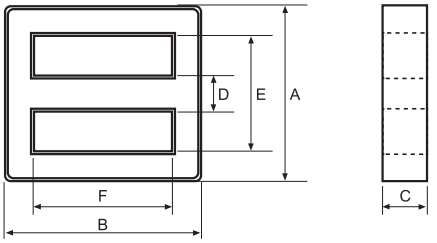
Ordering Code: A07 / ET28

A07: Material 材質

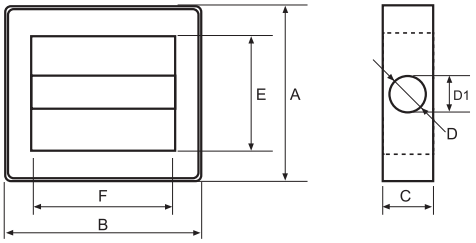
ET28: Core Size 品名

Shape:

Type:1



Type:2



■ DIMENSIONS

CORES	DIMENSIONS (mm)							Type
	A	B	C	D	D1	E	F	
ET19.25	19.25 ± 0.40	20.85 ± 0.40	8.05 ± 0.20	5.25 ± 0.20	4.75 ± 0.20	14.80min	16.40min	2
ET20	20.10 ± 0.40	20.10 ± 0.40	4.40 ± 0.20	4.00 ± 0.20	–	15.70min	15.70min	1
ET20A	20.30 ± 0.50	20.30 ± 0.50	4.40 ± 0.20	4.00 ± 0.20	–	16.10min	15.80min	1
ET24	24.20 ± 0.50	24.20 ± 0.50	4.00 ± 0.30	4.00 ± 0.20	–	19.00min	19.00min	1
ET28	28.40 ± 0.50	28.40 ± 0.50	5.00 ± 0.30	5.00 ± 0.30	–	22.20min	22.20min	1
ET29	28.70 ± 0.50	28.70 ± 0.50	5.00 ± 0.30	5.00 ± 0.30	–	22.20min	22.20min	1

■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
ET19.25	1.47	50.42	34.29	1729.17	7.43
ET20	2.96	52.10	17.60	917.00	3.88
ET20A	2.72	50.36	18.51	932.00	4.41
ET24	3.31	60.00	18.00	1098.00	5.15
ET28	2.54	70.00	27.00	1972.00	9.71
ET29	2.55	71.41	28.02	2000.71	10.25

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)	AL ± 30% (nH/N^2)		
	A07	A10	A121	A151
ET19.25			10000	
ET20	3100	4400	4850	6370
ET20A		4800		
ET24	2800	3800	4300	5600
ET28	3100 - 4500	4000min	5800	7200
ET29				6000 +40% -30%

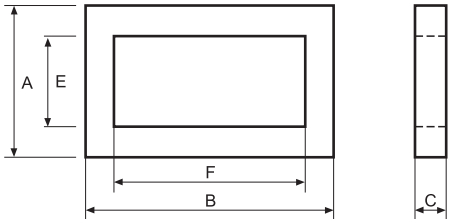
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Customized dimensions are available.

Type : UT Cores

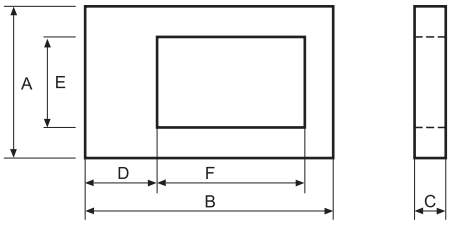
Ordering Code: A10 (Material 材質) UT8 (Core Size 品名)

Shape:

Type:1



Type:2



■ DIMENSIONS

CORES	DIMENSIONS (mm)						Type
	A	B	C	D	E	F	
UT8	8.00 ± 0.10	16.00 ± 0.25	2.00 ± 0.10	–	4.00 ± 0.10	12.00min	1
UT20	20.60 ± 0.30	14.10 ± 0.25	4.60 ± 0.20	4.10 ± 0.20	15.70min	7.35min	2
UT25	25.60 ± 0.40	17.60 ± 0.30	5.20 ± 0.25	5.20 ± 0.25	19.30min	8.70min	2
UT30	30.00 ± 0.40	19.80 ± 0.30	6.40 ± 0.25	6.40 ± 0.15	22.40min	8.90min	2

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
UT8	3.79	38.28	4.00	153.12	0.76
UT20	4.11	53.00	13.00	688.00	3.76
UT25	3.77	68.00	18.00	1203.00	5.85
UT30	2.85	77.00	27.00	2068.00	11.05

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N^2)			AL ± 30% (nH/N^2)		
	P4	P41	A07	A10	A121	A151
UT8				1300	1560	
UT20			2140	3000	3700	4625
UT25			2350 +40% -20%	3350		5000
UT30			3150 +40% -20%	4500	5400	

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Customized dimensions are available.

Type : URT Cores

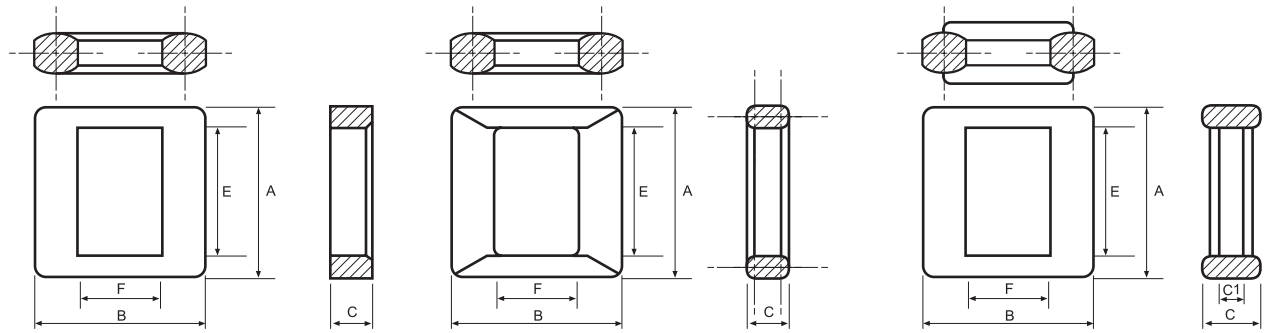
Ordering Code: A10 URT15.2 C

Material 材質	Core Size 品名	Coating 塗裝

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free

Shape:

Type:1 Type:2 Type:3



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) COATING DIMENSIONS (mm) A	B	C	C1	E	F	Type
URT12	14.10 ± 0.30	12.00 ± 0.30	4.10 ± 0.20	–	10.55 ± 0.30	4.40 ± 0.30	1
	15.00max	12.90max	4.90max	–	9.65min	3.50min	
URT12.5	12.50 ± 0.30	12.00 ± 0.30	4.60 ± 0.25	–	8.80 ± 0.30	5.00 ± 0.30	1
	13.40max	12.90max	5.45max	–	7.90min	4.10min	
URT13.4	13.40 ± 0.30	12.90 ± 0.30	7.20 ± 0.30	5.20 ± 0.30	8.40 ± 0.30	4.90 ± 0.30	3
	14.20max	13.50max	8.03max	5.80min	7.80min	4.30min	
URT14	14.00 ± 0.25	14.60 ± 0.25	5.70 ± 0.20	–	9.60 ± 0.20	5.10 ± 0.25	1
	14.30 ± 0.30	14.90 ± 0.30	6.00 ± 0.25	–	9.30+0.40/-0.20	4.80 ± 0.30	
URT14.5	14.50 ± 0.40	14.50 ± 0.40	5.00 ± 0.30	–	10.50 ± 0.40	5.34 ± 0.40	1
	15.50max	15.50max	5.90max	–	9.50min	4.34min	
URT14.8	14.80 ± 0.30	13.50 ± 0.30	5.00 ± 0.30	–	11.20 ± 0.20	4.60 ± 0.20	1
	16.00max	14.70max	6.40max	–	10.10min	3.40min	
URT15	14.80 ± 0.30	15.10 ± 0.30	5.00 ± 0.30	–	11.20 ± 0.20	6.20 ± 0.30	1
	16.00max	16.30max	6.40max	–	10.10min	5.10min	
URT15A	15.00 ± 0.30	15.10 ± 0.30	4.90 ± 0.20	–	11.20 ± 0.20	6.20 ± 0.30	1
	15.70max	16.00max	5.50max	–	10.60min	5.50min	
URT15.2	15.20 ± 0.40	15.20 ± 0.40	5.10 ± 0.30	–	11.00 ± 0.40	5.90 ± 0.40	2
	16.20max	16.20max	6.00max	–	10.00min	4.90min	
URT19	19.00 ± 0.40	18.30 ± 0.40	5.50 ± 0.20	–	14.00 ± 0.30	8.20 ± 0.30	1
	20.40max	19.30max	6.30max	–	13.10min	7.30min	
URT20	20.00 ± 0.30	18.00 ± 0.30	5.85 ± 0.20	–	14.90 ± 0.30	8.10 ± 0.20	2
	20.90max	18.90max	6.65max	–	14.10min	7.35min	
URT24	24.00 ± 0.20	17.50 ± 0.20	6.00 ± 0.20	–	20.00 ± 0.20	6.50 ± 0.20	1
	24.80max	18.30max	6.80max	–	19.20min	5.70min	
URT27	26.60 ± 0.50	23.75 ± 0.40	8.00 ± 0.20	–	20.00 ± 0.40	8.75 ± 0.20	1
	27.70max	24.75max	8.80max	–	19.00min	7.95min	
URT28	28.00 ± 0.40	20.00 ± 0.30	6.50 ± 0.20	–	22.10 ± 0.35	8.00 ± 0.20	1
	29.00max	20.90max	7.30max	–	21.15min	7.20min	
URT28A	28.00 ± 0.30	20.00 ± 0.25	7.50 ± 0.15	–	19.40 ± 0.25	8.00 ± 0.25	1
	28.90max	20.85max	8.25max	–	18.55min	7.25min	
URT31.5	31.50 ± 0.40	26.50 ± 0.40	9.00 ± 0.30	–	24.50 ± 0.40	10.50 ± 0.30	1
	32.50max	27.50max	9.90max	–	23.50min	9.60min	
URT43	43.00 ± 0.80	19.20 ± 0.40	6.80 ± 0.20	–	33.00 ± 0.60	7.00 ± 0.40	1
	44.40max	20.20max	7.60max	–	31.80min	6.00min	

■ EFFECTIVE PARAMETERS

	EFFECTIVE PARAMETERS				
CORES	**C_1(mm^{-1})**	**Le(mm)**	**Ae(mm^2)**	**Ve(mm^3)**	**Wt(g/set)**
URT12	0.25	37.30	9.30	346.89	2.38
URT12.5	4.04	35.80	8.84	316.40	2.31
URT13.4	2.62	35.30	13.48	476.20	3.46
URT14	2.07	36.54	17.67	645.85	3.72
URT14.5	2.90	39.36	13.58	534.30	3.33
URT14.8	3.06	37.68	12.32	464.20	3.40
URT15	3.27	40.48	12.39	501.60	3.55
URT15A	3.27	40.48	12.39	501.60	3.55
URT15.2	3.04	41.11	13.51	555.40	3.60
URT19	3.04	53.75	17.67	949.76	5.40
URT20	3.37	57.00	16.90	963.00	3.20
URT24	3.12	56.90	18.22	1036.72	7.51
URT27	1.94	69.86	36.10	2522.02	15.63
URT28	2.75	71.13	25.83	1836.97	10.39
URT28A	1.88	72.12	38.33	2764.36	13.80
URT31.5	2.29	88.10	38.50	3365.00	21.78
URT43	2.76	98.48	35.73	3518.69	16.65

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N^2)			AL ± 30% (nH/N^2)				
CORES	**P4**	**P5**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
URT12					3640			
URT12.5						3700		
URT13.4						5500min		
URT14						6000		
URT14.5						4800		
URT14.8					4500			
URT15					4000			
URT15A				3810				
URT15.2				4130		4957		
URT19				4132		4960		
URT20						5000min		
URT24				4025		4830		
URT27				6496				
URT28				4564				
URT28A			4600					
URT31.5						8000		
URT43				4560		5473		

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Customized dimensions are available.

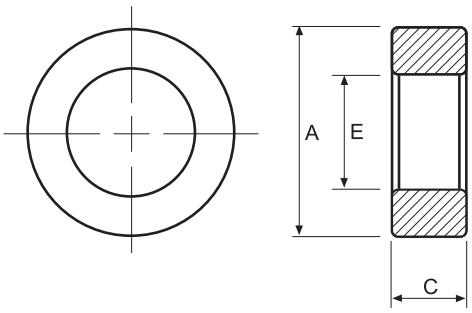
Type : T Cores

Ordering Code:

A10	T2.5*1.5*1.3	HP	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) PARYLENE COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T2.03x1x1.4	2.03 ± 0.15 2.03 ± 0.15	1.00 ± 0.15 1.00 ± 0.15	1.40 ± 0.15 1.40 ± 0.15	6.34	4.38	0.69	3.03	0.015
T2.05x0.75x1.05	2.05 ± 0.15 2.05 ± 0.15	0.75 ± 0.15 0.75 ± 0.15	1.05 ± 0.15 1.05 ± 0.15	5.95	3.74	0.63	2.36	0.010
T2.5x1.5x1.3	2.50 ± 0.15 2.50 ± 0.15	1.50 ± 0.15 1.50 ± 0.15	1.30 ± 0.15 1.30 ± 0.15	9.46	6.02	0.64	3.83	0.020
T2.54x1.27x1.27	2.54 ± 0.15 2.54 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	7.14	5.53	0.77	4.29	0.022
T2.57x1.5x1.3	2.57 ± 0.15 2.57 ± 0.15	1.50 ± 0.15 1.50 ± 0.15	1.30 ± 0.15 1.30 ± 0.15	8.98	6.09	0.68	4.14	0.021
T2.69x1.98x1	2.69 ± 0.15 2.69 ± 0.15	1.98 ± 0.15 1.98 ± 0.15	1.00 ± 0.15 1.00 ± 0.15	20.63	7.22	0.35	2.53	0.010
T2.83x1.3x1.9	2.83 ± 0.13 2.83 ± 0.13	1.30 ± 0.13 1.30 ± 0.13	1.90 ± 0.13 1.90 ± 0.13	4.25	5.88	1.38	8.12	0.044
T2.9x1.5x1.7	2.90 ± 0.15 2.90 ± 0.15	1.50 ± 0.15 1.50 ± 0.15	1.70 ± 0.15 1.70 ± 0.15	5.61	6.44	1.15	7.39	0.039
T2.93x1.63x2.42	2.93 ± 0.15 2.93 ± 0.15	1.63 ± 0.15 1.63 ± 0.15	2.42 ± 0.15 2.42 ± 0.15	4.43	6.77	1.53	10.35	0.049
T2.97x2.06x1.17	2.97 ± 0.15 2.97 ± 0.15	2.06 ± 0.15 2.06 ± 0.15	1.17 ± 0.15 1.17 ± 0.15	15.28	7.79	0.51	3.97	0.020
T3.05x1.27x2	3.05 ± 0.15 3.05 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	2.00 ± 0.15 2.00 ± 0.15	3.59	5.99	1.67	10.00	0.055
T3.05x1.5x2.06	3.05 ± 0.15 3.05 ± 0.15	1.50 ± 0.15 1.50 ± 0.15	2.06 ± 0.15 2.06 ± 0.15	4.30	6.58	1.53	10.08	0.053
T3.05x1.68x2.06	3.05 ± 0.15 3.05 ± 0.15	1.68 ± 0.15 1.68 ± 0.15	2.06 ± 0.15 2.06 ± 0.15	5.11	7.01	1.37	9.60	0.048
T3.05x1.78x2.07	3.05 ± 0.15 3.05 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	2.07 ± 0.15 2.07 ± 0.15	5.64	7.23	1.28	9.28	0.048
T3.25x1.4x0.78	3.25 ± 0.15 3.25 ± 0.15	1.40 ± 0.15 1.40 ± 0.15	0.78 ± 0.15 0.78 ± 0.15	9.56	6.51	0.68	4.43	0.025
T3.3x1.78x1.27	3.30 ± 0.15 3.30 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	8.01	7.49	0.94	7.01	0.037
T3.3x2x2.2	3.30 ± 0.15 3.30 ± 0.15	2.00 ± 0.15 2.00 ± 0.15	2.20 ± 0.15 2.20 ± 0.15	5.70	7.99	1.40	11.19	0.056
T3.43x1.27x1.27	3.43 ± 0.15 3.43 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	4.98	6.29	1.26	7.96	0.048
T3.43x1.78x1.78	3.43 ± 0.15 3.43 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	5.38	7.63	1.42	10.80	0.054
T3.45x1.75x1.3	3.45 ± 0.15 3.45 ± 0.15	1.75 ± 0.15 1.75 ± 0.15	1.30 ± 0.15 1.30 ± 0.15	7.12	7.57	1.06	8.05	0.042
T3.45x1.78x2.2	3.45 ± 0.15 3.45 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	2.20 ± 0.15 2.20 ± 0.15	4.32	7.64	1.77	13.54	0.072
T3.5x1.5x1.78	3.50 ± 0.15 3.50 ± 0.15	1.50 ± 0.15 1.50 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	4.17	6.99	1.68	11.72	0.068
T3.5x1.78x1.78	3.50 ± 0.15 3.50 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	5.22	7.69	1.47	11.34	0.064
T3.5x1.8x1.8	3.50 ± 0.15 3.50 ± 0.15	1.80 ± 0.15 1.80 ± 0.15	1.80 ± 0.15 1.80 ± 0.15	5.25	7.74	1.47	11.42	0.050

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	2.50mm - 12.00mm
Height	0.70mm - 8.00mm
Gap Sizes :	0.03mm - 0.80mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
Spilters
EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)						AL ± 30%(nH/N²)				
CORES	**P4**	**P47**	**P5**	**A043**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T2.03x1x1.4	470				950	1330	1900	2285	2285		2850
T2.05x0.75x1.05		635									
T2.5x1.5x1.3	330	390	260		650		1300	1300	1560		1950
T2.54x1.27x1.27	440			760	880	1230	1760	1760	1930		2540
T2.57x1.5x1.3							1370	1370			
T2.69x1.98x1											
T2.83x1.3x1.9	700										
T2.9x1.5x1.7				970							
T2.93x1.63x2.42	650		550	1240	1350	1900	2700	2700	3300		
T2.97x2.06x1.17											
T3.05x1.27x2	800		650		1600	2300	3250	3250	3900		
T3.05x1.5x2.06	700	840	560	1260	1400	1965	2810	2810	3370		4210
T3.05x1.68x2.06	600	730		1070	1190	1720	2450		2950		3580
T3.05x1.78x2.07	500	670	400	980	1050	1500	2150	2150	2600		3340
T3.25x1.4x0.78				560							
T3.3x1.78x1.27				680							
T3.3x2x2.2				970	1080						
T3.43x1.27x1.27				1050							
T3.43x1.78x1.78	560			1015		1580					
T3.45x1.75x1.3	425	530	340	775	850	1190	1700	1700	2040		2550
T3.45x1.78x2.2				1265	1450	2000	2900				
T3.5x1.5x1.78					1450						
T3.5x1.78x1.78							2320	2320			
T3.5x1.8x1.8	580				1150	1600	2300	2300	2700		3465

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : T Cores

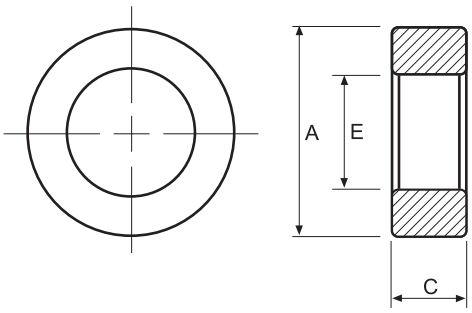
Ordering Code:

A10 T3.68*1.65*2.54 HP G□

Material 材質 | Core Size 品名 | Coating 塗裝 | Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) PARYLENE COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T3.68x1.65x2.54	3.68 ± 0.15 3.68 ± 0.15	1.65 ± 0.15 1.65 ± 0.15	2.54 ± 0.15 2.54 ± 0.15	3.08	7.54	2.44	18.42	0.101
T3.94x1.68x0.76	3.94 ± 0.15 3.94 ± 0.15	1.68 ± 0.15 1.68 ± 0.15	0.76 ± 0.15 0.76 ± 0.15	9.70	7.84	0.81	6.34	0.033
T3.94x1.78x1.27	3.94 ± 0.15 3.94 ± 0.15	1.78 ± 0.15 1.78 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	6.23	8.10	1.30	10.53	0.056
T3.94x2.24x1.27	3.94 ± 0.15 3.94 ± 0.15	2.24 ± 0.15 2.24 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	8.76	9.21	1.05	9.68	0.050
T3.94x2.24x2.54	3.94 ± 0.15 3.94 ± 0.15	2.24 ± 0.15 2.24 ± 0.15	2.54 ± 0.15 2.54 ± 0.15	4.38	9.21	2.10	19.36	0.090
T3.95x2.5x2.5	3.95 ± 0.20 3.95 ± 0.20	2.50 ± 0.20 2.50 ± 0.20	2.50 ± 0.20 2.50 ± 0.20	5.49	9.79	1.78	17.43	0.080
T4x2x2	4.00 ± 0.20 4.00 ± 0.20	2.00 ± 0.20 2.00 ± 0.20	2.00 ± 0.20 2.00 ± 0.20	4.53	8.71	1.92	16.74	0.099
T4x2x2.54	4.00 ± 0.20 4.00 ± 0.20	2.00 ± 0.20 2.00 ± 0.20	2.54 ± 0.20 2.54 ± 0.20	3.57	8.71	2.44	21.26	0.130
T4x2.2x1.6	4.00 ± 0.20 4.00 ± 0.20	2.20 ± 0.20 2.20 ± 0.20	1.60 ± 0.20 1.60 ± 0.20	6.57	9.18	1.40	12.84	0.069
T4x2.3x2	4.00 ± 0.15 4.00 ± 0.15	2.30 ± 0.15 2.30 ± 0.15	2.00 ± 0.15 2.00 ± 0.15	5.68	9.41	1.66	15.59	0.084
T4x2.4x1.6	4.00 ± 0.20 4.00 ± 0.20	2.40 ± 0.15 2.40 ± 0.15	1.60 ± 0.15 1.60 ± 0.15	7.69	9.63	1.25	12.06	0.063
T4.2x1.5x2	4.20 ± 0.20 4.20 ± 0.20	1.50 ± 0.20 1.50 ± 0.20	2.00 ± 0.20 2.00 ± 0.20	3.06	7.55	2.47	18.67	0.120
T4.3x1.27x0.76	4.30 ± 0.15 4.30 ± 0.15	1.27 ± 0.15 1.27 ± 0.15	0.76 ± 0.15 0.76 ± 0.15	6.78	6.91	1.02	7.03	0.048
T4.3x2.1x1.75	4.30 ± 0.20 4.30 ± 0.20	2.10 ± 0.20 2.10 ± 0.20	1.75 ± 0.20 1.75 ± 0.20	5.01	9.24	1.84	17.05	0.090
T4.3x2.8x2.5	4.30 ± 0.20 4.30 ± 0.20	2.80 ± 0.30 2.80 ± 0.30	2.50 ± 0.20 2.50 ± 0.20	5.86	10.82	1.85	19.98	0.106
T4.4x1.78x0.76	4.40 ± 0.20 4.40 ± 0.20	1.78 ± 0.20 1.78 ± 0.20	0.76 ± 0.20 0.76 ± 0.20	9.14	8.50	0.93	7.91	0.045
T4.5x2x3.3	4.50 ± 0.15 4.50 ± 0.15	2.00 ± 0.15 2.00 ± 0.15	3.30 ± 0.15 3.30 ± 0.15	2.35	9.17	3.91	35.83	0.204
T4.5x2.7x1.3	4.50 ± 0.20 4.50 ± 0.20	2.70 ± 0.20 2.70 ± 0.20	1.30 ± 0.20 1.30 ± 0.20	9.46	10.83	1.14	12.40	0.065
T4.83x2.29x2.54	4.83 ± 0.12 4.83 ± 0.12	2.29 ± 0.15 2.29 ± 0.15	2.54 ± 0.12 2.54 ± 0.12	3.31	10.21	3.08	31.45	0.180
T4.95x1.55x2.84	4.95 ± 0.20 4.95 ± 0.20	1.55 ± 0.20 1.55 ± 0.20	2.84 ± 0.20 2.84 ± 0.20	1.91	8.23	4.32	35.56	0.230
T5x3x3.1	5.00 ± 0.15 5.00 ± 0.15	3.00 ± 0.15 3.00 ± 0.15	3.10 ± 0.15 3.10 ± 0.15	3.97	12.04	3.03	36.51	0.090
T5.05x1.78x0.85	5.05 ± 0.20 5.05 ± 0.20	1.78 ± 0.20 1.78 ± 0.20	0.85 ± 0.20 0.85 ± 0.20	7.09	9.01	1.27	11.44	0.069
T5.05x2.42x1	5.05 ± 0.20 5.05 ± 0.20	2.42 ± 0.18 2.42 ± 0.18	1.00 ± 0.18 1.00 ± 0.18	8.54	10.74	1.26	13.50	0.072
T5.08x1.3x3.23	5.08 ± 0.15 5.08 ± 0.15	1.30 ± 0.15 1.30 ± 0.15	3.23 ± 0.15 3.23 ± 0.15	1.43	7.48	5.24	39.21	0.297

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	2.50mm - 12.00mm
Height	0.70mm - 8.00mm
Gap Sizes :	0.03mm - 0.80mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
Spilters
EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)						AL ± 30%(nH/N²)				
CORES	**P4**	**P47**	**P5**	**A043**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T3.68x1.65x2.54				1740	1935						
T3.94x1.68x0.76	300	360		550	600	830	1200	1200	1400		1830
T3.94x1.78x1.27					960	1340	1900	2300	2300		2870
T3.94x2.24x1.27	350	420			690	980	1400	1400	1670		2100
T3.94x2.24x2.54	740		560	1260	1475	2065	2950	2950	3350		4195
T3.95x2.5x2.5											3120
T4x2x2	640	800	530	1200	1400	2000	2500	2500	3200		4000
T4x2x2.54	880	1050		1530	1760	2460	3520	3520	3050min		5080
T4x2.2x1.6	460	550	380		930	1340	1850	1850	2300		2790
T4x2.3x2											3325
T4x2.4x1.6	400	490	320	720	800	1120	1600	1600	1920		2400
T4.2x1.5x2		1235									
T4.3x1.27x0.76					825						
T4.3x2.1x1.75	600	720	450		1200	1650	2400	2400	2850		
T4.3x2.8x2.5	530	640	420		1050	1480	2100	2100	2550		3170
T4.4x1.78x0.76	300		250		600	900	1250	1250	1500		
T4.5x2x3.3				2280							
T4.5x2.7x1.3	325	390	260	550	650	910	1300	1300			
T4.83x2.29x2.54	950	1090	720		1900	2660	3800	3800	4350		
T4.95x1.55x2.84						4100	5900	5900			
T5x3x3.1	770	930	620	1425	1550	2170	3000		3700		4600
T5.05x1.78x0.85	400		300		800	1100	1600	1600	1900		2440
T5.05x2.42x1	350	440	280		735	1000	1410	1410			
T5.08x1.3x3.23	1910										

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : T Cores

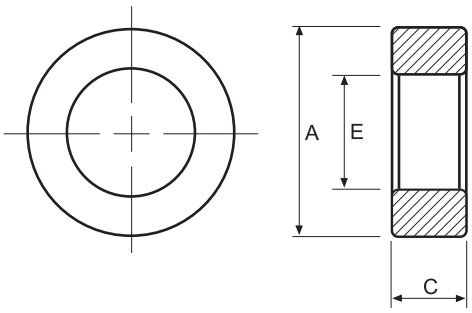
Ordering Code:

P4 T5.84*3.05*1.52 HP G□

Material 材質 | Core Size 品名 | Coating 塗裝 | Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) PARYLENE COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T5.33x3.12x1.98	5.33 ± 0.20	3.12 ± 0.20	1.98 ± 0.20	5.93	12.66	2.14	27.04	0.12
	5.33 ± 0.20	3.12 ± 0.20	1.98 ± 0.20					
T5.4x2.6x2	5.40 ± 0.20	2.60 ± 0.20	2.00 ± 0.20	4.30	11.51	2.68	30.84	0.17
	5.40 ± 0.20	2.60 ± 0.20	2.00 ± 0.20					
T5.4x3.15x1.96	5.40 ± 0.15	3.15 ± 0.15	1.96 ± 0.15	5.95	12.80	2.15	27.55	0.14
	5.40 ± 0.15	3.15 ± 0.15	1.96 ± 0.15					
T5.84x3.05x1.52	5.84 ± 0.15	3.05 ± 0.15	1.52 ± 0.15	6.36	13.03	2.05	26.67	0.14
	5.84 ± 0.15	3.05 ± 0.15	1.52 ± 0.15					
T5.9x2.8x1.6	5.90 ± 0.30	2.80 ± 0.30	1.60 ± 0.20	5.27	12.48	2.37	29.55	0.16
	5.90 ± 0.30	2.80 ± 0.30	1.60 ± 0.20					
T5.95x2.8x2.5	5.95 ± 0.30	2.80 ± 0.30	2.50 ± 0.20	3.33	12.52	3.76	47.04	0.26
	5.95 ± 0.30	2.80 ± 0.30	2.50 ± 0.20					
T6x2x2.5	6.00 ± 0.30	2.00 ± 0.30	2.50 ± 0.20	2.29	10.35	4.53	46.86	0.31
	6.00 ± 0.30	2.00 ± 0.30	2.50 ± 0.20					
T6x3x3	6.00 ± 0.30	3.00 ± 0.30	3.00 ± 0.20	3.02	13.07	4.32	56.50	0.32
	6.00 ± 0.30	3.00 ± 0.30	3.00 ± 0.20					
T6x4x2.15	6.00 ± 0.30	4.00 ± 0.30	2.15 ± 0.20	7.21	15.29	2.12	32.42	0.17
	6.00 ± 0.30	4.00 ± 0.30	2.15 ± 0.20					
T6.22x2.8x3.38	6.22 ± 0.30	2.80 ± 0.30	3.38 ± 0.20	2.33	12.77	5.48	70.01	0.40
	6.22 ± 0.30	2.80 ± 0.30	3.38 ± 0.20					
T6.35x3.81x3.18	6.35 ± 0.30	3.81 ± 0.30	3.18 ± 0.20	3.87	15.29	3.95	60.41	0.30
	6.35 ± 0.30	3.81 ± 0.30	3.18 ± 0.20					
T6.5x3.5x2.3	6.50 ± 0.30	3.50 ± 0.25	2.30 ± 0.20	4.41	14.75	3.34	49.29	0.27
	6.50 ± 0.30	3.50 ± 0.25	2.30 ± 0.20					
T6.95x4x2	6.95 ± 0.20	4.00 ± 0.15	2.00 ± 0.15	5.69	16.36	2.88	47.04	0.25
	6.95 ± 0.20	4.00 ± 0.15	2.00 ± 0.15					
T7x2.5x2	7.00 ± 0.20	2.50 ± 0.20	2.00 ± 0.20	3.05	12.58	4.12	51.83	0.33
	7.80max	1.70min	2.80max					
T7x4x2	7.00 ± 0.20	4.00 ± 0.15	2.00 ± 0.15	5.61	16.41	2.92	47.96	0.25
	7.00 ± 0.20	4.00 ± 0.15	2.00 ± 0.15					
T7.1x4.4x2.7	7.10 ± 0.30	4.40 ± 0.30	2.70 ± 0.30	4.86	17.39	3.58	62.20	0.31
	7.10 ± 0.30	4.40 ± 0.30	2.70 ± 0.30					
T7.62x3.18x4.8	7.62 ± 0.15	3.18 ± 0.15	4.80 ± 0.15	1.50	14.98	10.00	149.88	0.89
	7.62 ± 0.15	3.18 ± 0.15	4.80 ± 0.15					
T8x4x4	8.00 ± 0.30	4.00 ± 0.20	4.00 ± 0.30	2.27	17.42	7.69	133.92	0.76
	8.00 ± 0.30	4.00 ± 0.20	4.00 ± 0.30					
T8x4.5x4	8.00 ± 0.30	4.50 ± 0.20	4.00 ± 0.30	2.73	18.59	6.81	126.61	0.65
	8.00 ± 0.30	4.50 ± 0.20	4.00 ± 0.30					
T8.15x4.3x4.05	8.15 ± 0.30	4.30 ± 0.30	4.05 ± 0.30	2.43	18.28	7.54	137.79	0.75
	8.15 ± 0.30	4.30 ± 0.30	4.05 ± 0.30					
T8.35x3.33x4.18	8.35 ± 0.30	3.33 ± 0.20	4.18 ± 0.20	1.64	16.00	9.78	156.50	0.93
	8.35 ± 0.30	3.33 ± 0.20	4.18 ± 0.20					
T8.7x5.2x2.3	8.70 ± 0.15	5.20 ± 0.15	2.30 ± 0.15	5.31	20.90	3.94	82.29	0.42
	8.70 ± 0.15	5.20 ± 0.15	2.30 ± 0.15					
T8.89x3.81x4.83	8.89 ± 0.15	3.81 ± 0.15	4.83 ± 0.15	1.54	17.75	11.56	205.16	1.16
	8.89 ± 0.15	3.81 ± 0.15	4.83 ± 0.15					

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	2.50mm - 12.00mm
Height	0.70mm - 8.00mm
Gap Sizes :	0.03mm - 0.80mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
Spilters
EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)						AL ± 30% (nH/N²)				
CORES	**P4**	**P 47**	**P5**	**A043**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T5.33x3.12x1.98											3100
T5.4x2.6x2									3360		
T5.4x3.15x1.96	520	630			1050	1470	2100		2470		
T5.84x3.05x1.52	490	570		860	980	1370	1960	1960	2290		2860
T5.9x2.8x1.6		680									
T5.95x2.8x2.5		1130			1850	2630	3700		4320		5400
T6x2x2.5	1370	1645			2740	3850	5490		6590		
T6x3x3	1000	1200	800	1800	2200	2800	4000	4000	4800		6000
T6x4x2.15	430	515	340	700	870	1200	1740	1740	2080		2600
T6.22x2.8x3.38	1280	1540			2560		5130	5130			
T6.35x3.81x3.18	790	950	630	1430	1590	2220	3180	3180	3820		4870
T6.5x3.5x2.3	690	830			1380	1930	2840		3400		4140
T6.95x4x2	530	650	430		1070	1500	2150		2580		3230
T7x2.5x2											
T7x4x2		650	440		1090	1520	2100	2100	2600		3270
T7.1x4.4x2.7	640	770		1140	1260	1770	2580		3100		3800
T7.62x3.18x4.8	2090	2500		3550	4175	5845	8350	8350	9480		11850
T8x4x4	1300	1660		2400	2650	3700	5300	5300	6400		8000
T8x4.5x4	1100	1320	900		2200	3100	4450	4450	5380		6725
T8.15x4.3x4.05	1300						5010	5010	6015		7520
T8.35x3.33x4.18					3600	5030	7185	7185	8625		10790
T8.7x5.2x2.3	600	700			1180	1650	2370				
T8.89x3.81x4.83	1930										11600

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

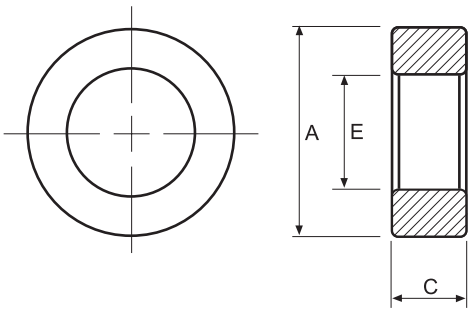
Type : T Cores

Ordering Code:

A05	T9*5*3	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free　　HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free　　W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T9x5x3	9.10 ± 0.30 10.00max	5.10 ± 0.30 4.20min	3.00 ± 0.30 3.90max	3.56	20.77	5.83	121.12	0.60
T9x5x5	9.10 ± 0.30 10.00max	5.10 ± 0.30 4.20min	5.00 ± 0.30 5.90max	2.14	20.77	9.72	201.86	1.00
T9x5x5.5	9.10 ± 0.30 10.00max	5.10 ± 0.30 4.20min	5.50 ± 0.30 6.40max	1.94	20.77	10.69	222.05	1.09
T9x5x7	9.10 ± 0.30 10.00max	5.10 ± 0.30 4.20min	7.00 ± 0.30 7.90max	1.53	20.77	13.60	282.61	1.41
T9x6x3	8.90 ± 0.30 9.80max	6.00 ± 0.30 5.10min	3.00 ± 0.30 3.90max	5.17	22.93	4.44	101.78	0.60
T9x6x5	8.90 ± 0.30 9.80max	6.00 ± 0.30 5.10min	5.00 ± 0.30 5.90max	3.10	22.93	7.40	169.63	0.86
T9.5x3x1.7	9.50 ± 0.40 10.50max	3.00 ± 0.30 2.10min	1.70 ± 0.20 2.50max	3.21	15.88	4.95	78.62	0.51
T9.53x4.75x3.2	9.53 ± 0.25 10.38max	4.75 ± 0.25 3.90min	$3.20^{+0.13}_{-0.12}$ 3.93max	2.82	20.72	7.35	152.19	0.80
T9.53x4.75x4.8	9.53 ± 0.25 10.38max	$4.75^{+0.13}_{-0.12}$ 4.03min	$4.80^{+0.13}_{-0.12}$ 5.53max	1.88	20.72	11.02	228.28	1.09
T9.53x4.75x4.9	9.53 ± 0.25 10.38max	$4.75^{+0.13}_{-0.12}$ 4.03min	$4.90^{+0.13}_{-0.12}$ 5.63max	1.84	20.72	11.25	233.04	1.26
T9.53x4.75x6.35	9.53 ± 0.20 10.33max	4.75 ± 0.20 3.95min	6.35 ± 0.18 7.13max	1.42	20.72	14.58	302.00	1.62
T9.53x5.59x3.2	9.53 ± 0.30 10.43max	5.59 ± 0.25 4.74min	$3.20^{+0.13}_{-0.12}$ 3.93max	3.68	22.66	6.16	139.51	0.75
T9.53x5.59x4	9.53 ± 0.30 10.43max	5.59 ± 0.25 4.74min	$4.00^{+0.13}_{-0.12}$ 4.73max	2.94	22.66	7.70	174.39	0.91
T9.53x5.59x4.9	9.53 ± 0.30 10.43max	5.59 ± 0.25 4.74min	$4.90^{+0.13}_{-0.12}$ 5.63max	2.40	22.66	9.43	213.62	1.14
T9.53x5.59x7.11	9.53 ± 0.30 10.43max	5.59 ± 0.25 4.74min	7.11 ± 0.25 8.01max	1.66	22.66	13.68	309.97	1.61

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	2.50mm - 12.00mm
Height	0.70mm - 8.00mm
Gap Sizes :	0.03mm - 0.80mm
AL Tolerance	AL ± 10%

APPLICATIONS

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■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)					AL ± 30% (nH/N²)				
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T9x5x3	880	1020	680	1760	2470	3520	3520	4060		5070
T9x5x5	1469	1750	1130	2938	4114	5887	5887	6765		8460
T9x5x5.5	1616			3232	4525	6465	6465			
T9x5x7	2057	2450	1600	4114	5760	8229	8229	9600		
T9x6x3	585	730	440	1170	1635	2330	2330	2800		3500
T9x6x5	980	1200		2000	2725	3890	3890			
T9.5x3x1.7						3540	3540			
T9.53x4.75x3.2	1110	1285	855	2230	3120	4450	4450	5140		6430
T9.53x4.75x4.8	1670			3340	4680	6680	6680	7720		9600
T9.53x4.75x4.9	1730			3460	4840	6920	6920	7880		9845
T9.53x4.75x6.35	2190	2550		4380	6140	8770	8770	10210		12760
T9.53x5.59x3.2	850		670	1700	2380	3400	3400			
T9.53x5.59x4	1040	1250	830	2080	2920	4170	4170	5000		6250
T9.53x5.59x4.9	1300	1560	1020	2610	3650	5220	5220	6130		7660
T9.53x5.59x7.11	1900	2270		3790	5310	7590	7590			

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

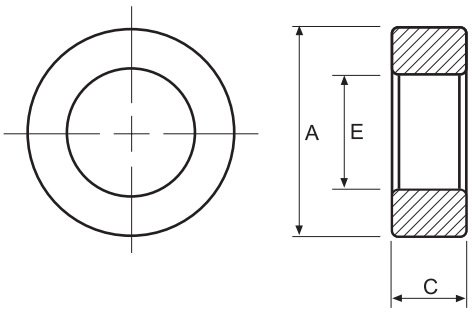
Type : T Cores

Ordering Code:

A05	T10*5*3	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T10x5x2.3	10.00 ± 0.20 10.80max	5.00 ± 0.13 4.27min	2.30 ± 0.13 3.03max	3.94	21.78	5.53	120.32	0.66
T10x5x3	10.00 ± 0.20 10.80max	5.00 ± 0.13 4.27min	3.00 ± 0.13 3.73max	3.02	21.78	7.21	156.93	0.84
T10x5x5	10.00 ± 0.20 10.80max	5.00 ± 0.13 4.27min	5.00 ± 0.13 5.73max	1.81	21.78	12.01	261.56	1.41
T10x6x2.78	10.10 ± 0.30 11.00max	6.10 ± 0.30 5.20min	2.78 ± 0.30 3.68max	4.42	24.07	5.44	130.97	0.67
T10x6x4	10.10 ± 0.30 11.00max	6.10 ± 0.30 5.20min	4.00 ± 0.30 4.90max	3.08	24.07	7.83	188.44	0.98
T10x6x5	10.10 ± 0.30 11.00max	6.10 ± 0.30 5.20min	5.00 ± 0.30 5.90max	2.46	24.07	9.79	235.55	1.25
T10x6x6	10.10 ± 0.30 11.00max	6.10 ± 0.30 5.20min	6.00 ± 0.30 6.90max	2.05	24.07	11.74	282.66	1.48
T10.6x5.2x4.4	10.60 ± 0.30 11.50max	5.20 ± 0.30 4.30min	4.40 ± 0.20 5.20max	2.01	22.84	11.39	260.14	1.41
T11.5x7.5x3.6	11.50 ± 0.30 112.40max	7.50 ± 0.30 6.60min	3.60 ± 0.30 4.50max	4.08	28.96	7.09	205.33	1.08
T12x6x4	12.00 ± 0.40 13.00max	6.00 ± 0.30 5.10min	4.00 ± 0.30 4.90max	2.27	26.13	11.53	301.31	1.50
T12x7.92x4.7	12.00 ± 0.40 13.00max	7.92 ± 0.30 7.02min	4.70 ± 0.30 5.60max	3.22	30.40	9.45	287.28	1.50
T12.4x7.8x3.75	12.40 ± 0.40 13.40max	7.80 ± 0.30 6.90min	3.75 ± 0.30 4.65max	3.61	30.62	8.47	259.43	1.34
T12.5x7.5x5	12.50 ± 0.30 13.40max	7.50 ± 0.30 6.60min	5.00 ± 0.30 5.90max	2.46	30.09	12.23	368.05	1.93
T12.5x7.5x6.45	12.50 ± 0.30 13.40max	7.50 ± 0.30 6.60min	6.45 ± 0.30 7.35max	1.91	30.09	15.78	474.79	2.45
T12.7x5.16x6.35	12.70 ± 0.40 13.70max	5.16 ± 0.30 4.26min	6.35 ± 0.30 7.25max	1.10	24.59	22.38	550.49	3.21
T12.7x7.14x4.78	12.70 ± 0.40 13.70max	7.14 ± 0.30 6.24min	4.78 ± 0.30 5.68max	2.28	29.51	12.93	381.43	2.00
T12.7x7.14x6.35	12.70 ± 0.40 13.70max	7.14 ± 0.30 6.24min	6.35 ± 0.30 7.25max	1.72	29.51	17.17	506.72	2.67

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	2.50mm - 12.00mm
Height	0.70mm - 8.00mm
Gap Sizes :	0.03mm - 0.80mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
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■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)					AL ± 30%(nH/N²)				
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T10x5x2.3	760	920		1530	2147	3070		3680		4600
T10x5x3	1000	1200		2000	2800	4000	4000	4800		6000
T10x5x5	1650	2000	1330	3300	4650	6650	6650	8000		10000
T10x6x2.78	680		550	1350	1900	2740	2740	3300		4120
T10x6x4	1020	1185	800	2040	2850	4080	4080	4900		5930
T10x6x5	1270	1480	990	2550	3570	5100	5100	5820		7410
T10x6x6	1530	1800	1220	3060	4290	6130	6130	7350		8895
T10.6x5.2x4.4	1500	1880	1200	3000	4200	6000	6000			
T11.5x7.5x3.6	758			1510	2120	3030		3635		4545
T12x6x4	1350	1600		2700	3800	5400	5400	6000	6000	8000
T12x7.92x4.7										
T12.4x7.8x3.75				1790		3420	3420			5130
T12.5x7.5x5	1250	1500	1000	2500	3500	5000	5000	6000		7500
T12.5x7.5x6.45					4510					
T12.7x5.16x6.35	2680	3220		5360	7500	10730	10730	13700		17000
T12.7x7.14x4.78	1340	1650		2680	3750	5360	5360	6430		8040
T12.7x7.14x6.35	1780		1420	3560	4985	7120	7120	8550		10685

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : T Cores

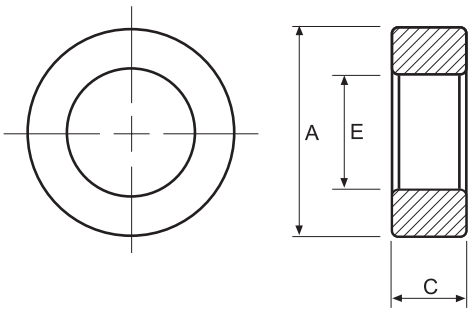
Ordering Code:

P4 T12.7*7.92*4.7 C G□

Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS $C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
T12.7x7.92x4.7	12.70 ± 0.40 13.70max	7.92 ± 0.30 7.02min	4.70 ± 0.30 5.60max	2.83	31.22	11.03	344.21	1.61
T12.7x7.92x4.9	12.70 ± 0.40 13.70max	7.92 ± 0.30 7.02min	4.90 ± 0.30 5.80max	2.72	31.22	11.50	358.86	1.70
T12.7x7.92x5.2	12.70 ± 0.40 13.70max	7.92 ± 0.30 7.02min	5.20 ± 0.30 6.10max	2.56	31.22	12.20	380.83	1.80
T12.7x7.92x6.35	12.70 ± 0.40 13.70max	7.92 ± 0.30 7.02min	6.35 ± 0.30 7.25max	2.10	31.22	14.90	465.05	2.33
T12.7x7.92x7	12.70 ± 0.40 13.70max	7.92 ± 0.30 7.02min	7.00 ± 0.30 7.90max	1.90	31.22	16.42	512.66	2.65
T12.7x8.02x6.35	12.70 ± 0.25 13.50max	8.02 ± 0.25 7.17min	6.35 ± 0.15 7.10max	2.15	31.43	14.60	458.86	2.39
T12.7x8.12x5.08	12.70 ± 0.40 13.70max	8.12 ± 0.30 7.22min	5.08 ± 0.30 5.98max	2.77	31.64	11.44	361.98	1.82
T12.85x7.35x5	12.85 ± 0.40 13.85max	7.35 ± 0.30 6.45min	5.00 ± 0.30 5.90max	2.25	30.14	13.40	403.78	2.14
T13.21x7.37x3.96	13.21 ± 0.40 14.21max	7.37 ± 0.30 6.47min	3.96 ± 0.30 4.86max	2.72	30.56	11.24	343.54	1.81
T13.3x7.1x12.7	13.30 ± 0.30 14.20max	7.10 ± 0.30 6.20min	12.70 ± 0.30 13.60max	0.79	30.03	38.10	1144.33	6.17
T13.3x8.3x5	13.30 ± 0.30 14.20max	8.30 ± 0.30 7.40min	5.00 ± 0.30 5.90max	2.67	32.70	12.27	401.31	2.09
T13.4x7.3x3.65	13.40 ± 0.60 14.60max	7.30 ± 0.30 6.30min	3.65 ± 0.15 4.40max	2.83	30.60	10.80	330.36	1.80
T14x7x7	14.00 ± 0.40 15.00max	7.00 ± 0.30 6.10min	7.00 ± 0.30 7.90max	1.29	30.49	23.54	717.71	3.88
T14x7.5x7	14.00 ± 0.40 15.00max	7.50 ± 0.30 6.60min	7.00 ± 0.30 7.90max	1.44	31.68	22.03	697.66	3.69
T14x8x4	14.00 ± 0.40 15.00max	8.00 ± 0.30 7.10min	4.00 ± 0.30 4.90max	2.81	32.82	11.69	383.69	1.97
T14x8x7	14.00 ± 0.40 15.00max	8.00 ± 0.30 7.10min	7.00 ± 0.30 7.90max	1.60	32.82	20.46	671.46	3.45
T14x8x9	14.00 ± 0.40 15.00max	8.00 ± 0.30 7.10min	9.00 ± 0.30 9.90max	1.25	32.82	26.31	863.31	4.48
T14x8.4x4	14.00 ± 0.40 15.00max	8.40 ± 0.30 7.50min	4.00 ± 0.30 4.90max	3.08	33.70	10.96	369.35	1.97
T14x8.4x12	14.00 ± 0.40 15.00max	8.40 ± 0.30 7.50min	12.00 ± 0.30 12.90max	1.03	33.70	32.88	1108.05	5.63

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	12.00mm - 38.00mm
Height	3.00mm - 15.00mm
Gap Sizes :	0.45mm - 2.00mm
AL Tolerance	AL ± 10%

APPLICATIONS

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■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)					AL ± 30% (nH/N²)				
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T12.7x7.92x4.7	1100	1300	870	2220	3110	4460	4460	5230		6540
T12.7x7.92x4.9	1156	1390		2310	3240	4630	4630	5456		6940
T12.7x7.92x5.2	1227	1470		2455	3437	4910	4910	5890	5890	7230
T12.7x7.92x6.35	1487	1760	1170	2990	4190	5950	5950	7070		8840
T12.7x7.92x7	1653	1950	1290	3300	4650	6610	6610	7795		9740
T12.7x8.02x6.35						5800				
T12.7x8.12x5.08				2200		4470	4470			
T12.85x7.35x5	1400	1670		2790	3910	5580	5580	6540		8170
T13.21x7.37x3.96	1120	1350	900	2250	3150	4500	4500	5500	5500	6930
T13.3x7.1x12.7						15440		18530		23000
T13.3x8.3x5	1150	1390	900	2300	3200	4600	4600	5500		6800
T13.4x7.3x3.65				2200						
T14x7x7		2800		4670	6540	9300	9300	11210		14000
T14x7.5x7				4230	5930	8400	8400	10160		12700
T14x8x4	1119	1310	870	2240	3130	4480	4480	5240		6550
T14x8x7	1956	2350	1530	3920	5480	7840	7840	9170		11460
T14x8x9	2510	3000		5040	7045	10080	10080	11790		14730
T14x8.4x4	1020		800	2040	2860	4080	4080	4800		
T14x8.4x12	3060			6130	8580	12260	12260	14400		

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

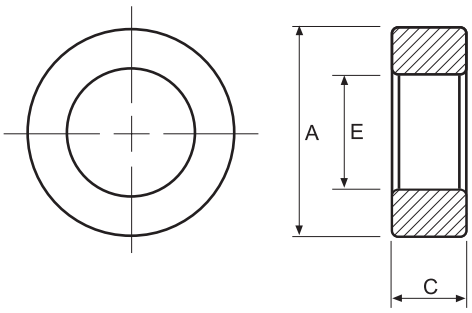
Type : T Cores

Ordering Code:

A10	T14*9*5	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free　HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free　W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T14x9x5	14.00 ± 0.40	9.00 ± 0.30	5.00 ± 0.30	2.84	34.98	12.30	430.19	2.08
	15.00max	8.10min	5.90max					
T14.3x9.7x6.3	14.30 ± 0.30	9.70 ± 0.30	6.30 ± 0.30	2.57	36.77	14.31	526.14	2.81
	15.20max	8.80min	7.20max					
T15.7x10.2x6.8	15.70 ± 0.40	10.20 ± 0.40	6.80 ± 0.30	2.14	39.45	18.41	726.37	3.70
	16.70max	9.20min	7.60max					
T15.88x8.89x4.7	15.88 ± 0.40	8.89 ± 0.30	4.70 ± 0.30	2.30	36.81	15.97	587.97	3.17
	16.88max	7.99min	5.60max					
T16x7x9	16.00 ± 0.30	7.00 ± 0.20	9.00 ± 0.20	0.84	32.32	38.27	1236.87	7.11
	16.90max	6.20min	9.80max					
T16x8x8	16.00 ± 0.30	8.00 ± 0.30	8.00 ± 0.30	1.13	34.84	30.75	1071.34	5.83
	16.90max	7.10min	8.90max					
T16x9x5	16.00 ± 0.40	9.50 ± 0.40	5.00 ± 0.30	2.18	37.18	17.03	633.06	3.19
	17.00max	8.50min	5.90max					
T16x9x8	16.00 ± 0.40	9.50 ± 0.40	8.00 ± 0.30	1.37	37.18	27.24	1012.90	4.94
	17.00max	8.50min	8.90max					
T16x9.6x6.1	16.00 ± 0.30	9.60 ± 0.30	6.10 ± 0.30	2.02	38.52	19.10	735.68	3.64
	16.90max	8.70min	7.00max					
T16x10x5	16.00 ± 0.30	10.00 ± 0.30	5.00 ± 0.30	2.67	39.37	14.73	579.87	2.96
	16.90max	9.10min	5.90max					
T16x12x7	16.00 ± 0.30	12.00 ± 0.30	7.00 ± 0.30	3.12	43.38	13.90	603.17	2.86
	16.90max	11.10min	7.90max					
T16x12x8	16.00 ± 0.30	12.00 ± 0.30	8.00 ± 0.30	2.73	43.38	15.89	689.34	3.53
	16.90max	11.10min	8.90max					
T16.4x12x8	16.40 ± 0.30	12.00 ± 0.30	8.00 ± 0.30	2.51	43.89	17.46	766.27	3.80
	17.30max	11.10min	8.90max					
T17x10.6x6.8	17.00 ± 0.30	10.60 ± 0.30	6.80 ± 0.30	1.96	41.78	21.36	892.47	4.54
	17.90max	9.70min	7.70max					
T18x10x7	18.00 ± 0.30	10.00 ± 0.30	7.00 ± 0.30	1.53	41.55	27.21	1130.43	6.13
	18.90max	9.10min	7.90max					
T18x10x10	18.00 ± 0.30	10.00 ± 0.30	10.00 ± 0.30	1.07	41.55	38.87	1614.89	8.77
	18.90max	9.10min	10.90max					
T18x12x6	18.00 ± 0.30	11.90 ± 0.20	6.00 ± 0.20	2.58	45.86	17.76	814.21	4.16
	18.90max	11.10min	6.80max					
T19x11x5	19.00 ± 0.30	11.00 ± 0.30	5.00 ± 0.30	2.30	44.86	19.51	875.14	4.43
	19.90max	10.10min	5.90max					
T19x13x6	19.00 ± 0.30	13.00 ± 0.30	6.00 ± 0.20	2.76	49.08	17.79	872.90	4.39
	19.90max	12.10min	6.80max					
T19.3x10.2x10.4	19.30 ± 0.40	10.20 ± 0.30	10.40 ± 0.30	0.95	43.34	45.75	1982.76	10.55
	20.30max	9.30min	11.30max					

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	12.00mm - 38.00mm
Height	3.00mm - 15.00mm
Gap Sizes :	0.45mm - 2.00mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
Spilters
EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)					AL ± 30% (nH/N²)				
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T14x9x5	1100	1400	870	2210	3090	4420	4420	5220		6530
T14.3x9.7x6.3				2415	3380	4830	4830	5790		7235
T15.7x10.2x6.8					4600					
T15.88x8.89x4.7	1330	1630	1060	2650	3710	5310	5310	6370		7960
T16x7x9	3520	4220		7040	9860	14000	14000	16900		21100
T16x8x8				5540	7500	10670	10670	13300		16640
T16x9x5	1300	1530	1020	2600	3650	5210	5210	6250		7650
T16x9x8	2040	2750	1630	4080	5710	8160	8160	9700		12240
T16x9.6x6.1	1520	1830	1220	3050	4270	6100	6100	7320		9150
T16x10x5				2350	3230	4620		5540		6925
T16x12x7	1000			2000	2800	4020	4020			6000
T16x12x8	1150			2300	3220	4600	4600	5400		6860
T16.4x12x8								5950		
T17x10.6x6.8	1580			3155	4420	6300	6300			
T18x10x7	2054	2470		4110	5760	8230	8230	9600	9600	12000
T18x10x10	2940		2280	5880	8230	11750	11750	13720		17155
T18x12x6	1210	1460	970	2430	3400	4860	4860	5760		7345
T19x11x5	1300	1600	1060	2670	3800	5300		6400		8000
T19x13x6	1100	1360	900	2200	3100	4500	4500	5400		6750
T19.3x10.2x10.4	3210			6420	8990	12840	12840	15400		19260

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : T Cores

Ordering Code:

A10	T20*10*7	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free　HUC : Epoxy Coating of UL & Halogen-Free
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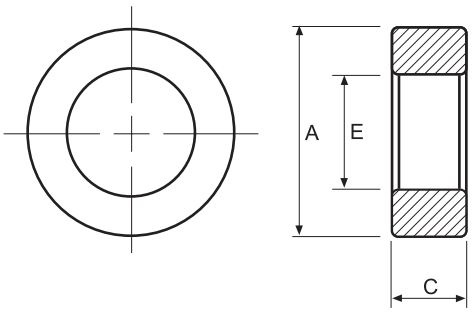
Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T20x10x7	20.00 ± 0.40 21.00max	10.00 ± 0.40 9.00min	7.00 ± 0.30 7.90max	1.29	43.55	33.63	1464.72	8.05
T20x10x10	20.00 ± 0.40 21.00max	10.00 ± 0.40 9.00min	10.00 ± 0.30 10.90max	0.91	43.55	48.05	2092.46	11.24
T20x10x12	20.00 ± 0.40 21.00max	10.00 ± 0.40 9.00min	12.00 ± 0.30 12.90max	0.76	43.55	57.65	2510.95	13.53
T20x11x10	20.00 ± 0.40 21.00max	11.00 ± 0.40 10.00min	10.00 ± 0.30 10.90max	1.05	45.91	43.68	2005.53	10.29
T20x11x15	20.00 ± 0.40 21.00max	11.00 ± 0.40 10.00min	15.00 ± 0.30 15.90max	0.70	45.91	65.52	3008.29	15.23
T20x12x8	20.00 ± 0.40 21.00max	12.00 ± 0.40 11.00min	8.00 ± 0.30 8.90max	1.54	48.14	31.31	1507.55	9.17
T20x16x3.6	20.00 ± 0.40 21.00max	16.00 ± 0.40 15.00min	3.60 ± 0.25 4.45max	7.82	56.08	7.17	402.12	1.93
T22x11x7	22.00 ± 0.30 22.90max	11.00 ± 0.30 10.10min	7.00 ± 0.30 7.90max	1.29	47.91	36.99	1772.31	9.74
T22x14x6.5	22.00 ± 0.40 23.00max	14.00 ± 0.40 13.00min	6.50 ± 0.30 7.40max	2.14	54.67	25.56	1397.42	6.77
T22x14x8	22.00 ± 0.40 23.00max	14.00 ± 0.40 13.00min	8.00 ± 0.30 8.90max	1.74	54.67	31.46	1719.90	8.61
T22x14x10	22.00 ± 0.40 23.00max	14.00 ± 0.40 13.00min	10.00 ± 0.30 10.90max	1.39	54.67	39.33	2149.88	11.33
T22x14x12.7	22.00 ± 0.40 23.00max	14.00 ± 0.40 13.00min	12.70 ± 0.30 13.60max	1.09	54.67	49.94	2730.34	14.04
T22.1x13.72x6.35	22.10 ± 0.40 23.10max	13.72 ± 0.40 12.72min	6.35 ± 0.30 7.25max	2.08	54.19	26.11	1414.81	7.04
T23x11x6	23.00 ± 0.40 24.00max	11.00 ± 0.40 10.00min	6.00 ± 0.30 6.90max	1.42	48.86	34.41	1681.17	9.40
T23x14x7	23.00 ± 0.40 24.00max	14.00 ± 0.40 13.00min	7.00 ± 0.30 7.90max	1.81	55.80	30.86	1722.01	8.53
T24x18x6	24.00 ± 0.40 25.00max	18.00 ± 0.40 17.00min	6.00 ± 0.30 6.90max	3.64	65.07	17.88	1163.25	5.61
T25x9x2.5	25.00 ± 0.40 26.00max	9.00 ± 0.40 8.00min	2.50 ± 0.30 3.40max	2.46	45.14	18.35	828.12	5.17
T25x15x5	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	5.00 ± 0.30 5.90max	2.46	60.18	24.46	1472.21	7.44
T25x15x8	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	8.00 ± 0.30 8.90max	1.54	60.18	39.14	2355.54	12.06
T25x15x9	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	9.00 ± 0.30 9.90max	1.37	60.18	44.03	2649.98	13.63
T25x15x10	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	10.00 ± 0.30 10.90max	1.23	60.18	48.93	2944.42	14.89
T25x15x13	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	13.00 ± 0.30 13.90max	0.95	60.18	63.60	3827.75	19.43
T25x15x15	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	15.00 ± 0.30 15.90max	0.82	60.18	73.30	4416.64	23.30
T25.4x15.5x10	25.40 ± 0.40 26.40max	15.50 ± 0.40 14.50min	10.00 ± 0.30 10.90max	1.27	61.71	48.51	2993.10	15.71

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	12.00mm - 38.00mm
Height	3.00mm - 15.00mm
Gap Sizes :	0.45mm - 2.00mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
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EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)						AL ± 30% (nH/N²)			
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T20x10x7	2335	2900		4670	6540	9300	9300	11200		14000
T20x10x10	3330	4100	2660	6670	9300	13300	13300	16000		19000
T20x10x12	4000	4990				16000	16000	19000		
T20x11x10	3200	3500	2300	5800	8100	11600	11600	13950	13950	17420
T20x11x15	4790		3450	8700	12200	17400	17400			26000
T20x12x8				4000	5700	8000	8000	9800		12000
T20x16x3.6						1600				
T22x11x7	2340				6540	9330	9330			
T22x14x6.5	1473	1730	1155	2940	4110	5870	5870	6930		8670
T22x14x8	1804	2130	1420	3620	5060	7230	7230	8340		10675
T22x14x10	2259		1780	4520	6330	9040	9040	10670	10670	13340
T22x14x12.7	2886		2260	5740	8040	11480	11480	13560		16945
T22.1x13.72x6.35	1485	1780		2970	4160	5950	5950	7130		8920
T23x11x6	2100									
T23x14x7	1730		1360	3470	4860	6950	6950	8180		10210
T24x18x6				1720	2400	3450				
T25x9x2.5	1176	1410								
T25x15x5	1250		1000	2500	3500	5000	5000	6000		7500
T25x15x8	2040	2450	1600	4090	5720	8200	8200	9600	9600	12010
T25x15x9	2300	2760		4600	6440	9200	9200	10800		13500
T25x15x10	2550	3000	2000	5110	7150	10220	10220	11000		15010
T25x15x13	3322	3980		6640	9300	13270	13270	15600		19510
T25x15x15	3830	4500		7660	10730	15330	15330	17500		22500
T25.4x15.5x10	2420		1940	4840		9680	9680			14530

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

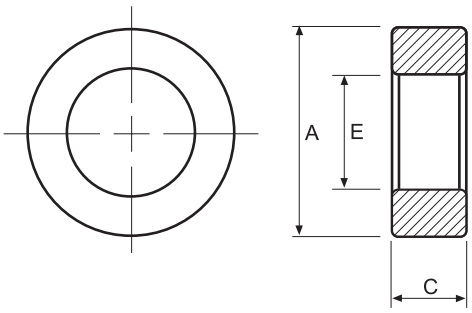
Type : T Cores

Ordering Code:

P4	T28*16*13	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T26x14.5x10	26.00 ± 0.40 27.00max	14.50 ± 0.30 13.60min	10.00 ± 0.30 10.90max	1.08	60.14	55.89	3361.47	17.68
T26.4x14.5x10.2	26.40 ± 0.40 27.40max	14.50 ± 0.40 13.50min	10.20 ± 0.30 11.10max	1.03	60.56	58.91	3567.13	18.92
T27x18x11.5	27.00 ± 0.40 28.00max	18.00 ± 0.40 17.00min	11.50 ± 0.30 12.40max	1.74	69.54	39.92	331.36	18.29
T28x12x12	28.00 ± 0.40 29.00max	12.00 ± 0.30 11.10min	12.00 ± 0.25 12.85max	0.62	55.90	90.46	5056.48	28.62
T28x14x12	28.00 ± 0.60 29.20max	13.80 ± 0.40 12.80min	12.00 ± 0.40 13.00max	0.76	60.97	80.72	4921.46	26.60
T28x16x13	28.00 ± 0.50 29.10max	16.00 ± 0.40 15.00min	13.00 ± 0.40 14.00max	0.86	65.64	76.00	4988.00	26.30
T28x18x16	28.00 ± 0.50 29.10max	18.00 ± 0.40 17.00min	16.00 ± 0.40 17.00max	0.89	69.96	78.71	5506.49	26.57
T29x19x7.49	29.00 ± 0.50 30.10max	19.00 ± 0.35 18.05min	7.49 ± 0.30 8.24max	1.98	73.20	36.90	2700.75	12.90
T29x19x15.2	29.00 ± 0.50 30.10max	19.00 ± 0.35 18.05min	15.20 ± 0.30 16.00max	0.98	73.20	74.88	5480.84	27.73
T31x19x6	31.00 ± 0.50 32.10max	19.00 ± 0.50 17.90min	6.00 ± 0.30 6.90max	2.14	75.49	35.29	2663.95	13.22
T31x19x8	31.00 ± 0.50 32.10max	19.00 ± 0.50 17.90min	8.00 ± 0.30 8.90max	1.60	75.49	47.05	3551.93	18.12
T31x19x12	31.00 ± 0.50 32.10max	19.00 ± 0.50 17.90min	12.00 ± 0.40 13.00max	1.07	75.49	70.58	5327.90	26.99
T31x19x13	31.00 ± 0.50 32.10max	19.00 ± 0.50 17.90min	13.00 ± 0.40 14.00max	0.99	75.49	76.46	5771.89	29.04
T31x19x16	31.00 ± 0.50 32.10max	19.00 ± 0.50 17.90min	16.00 ± 0.40 17.00max	0.80	75.49	94.11	7103.86	35.74
T31x20x15	31.00 ± 0.50 32.10max	20.00 ± 0.50 18.90min	15.00 ± 0.50 16.00max	0.96	77.60	81.19	6300.71	30.72
T34.4x20.2x12.6	34.40 ± 0.50 35.50max	20.20± 0.50 19.10min	12.60 ± 0.40 13.60max	0.94	81.84	87.38	7151.28	36.92
T34.74x5.4x1.0	34.74 ± 0.50 –	5.40 ± 0.25 –	1.00 ± 0.10 –	3.38	37.39	11.08	414.22	4.23
T36x23x15	36.00 ± 0.60 37.20max	23.45 ± 0.50 22.35min	15.00 ± 0.40 16.00max	0.93	89.65	95.89	8595.89	41.37
T36x23Ax22	36.00 ± 0.60 37.20max	23.45 ± 0.50 22.35min	22.00 ± 0.40 23.00max	0.67	90.58	135.96	12315.43	62.50
T36x25x11.3	36.00 ± 0.50 37.10max	25.00 ± 0.40 24.00min	11.30 ± 0.30 12.20max	1.52	93,73	61.47	5761.05	27.30
T36x26x10	36.00 ± 0.60 37.20max	26.00 ± 0.50 24.90min	10.00 ± 0.40 11.00max	1.93	95.69	49.56	4742.57	19.50
T37x22x15	37.00 ± 0.60 38.20max	22.00 ± 0.50 20.90min	15.00 ± 0.40 16.00max	0.81	88.63	110.00	9749.34	50.51
T38x19x13	38.10 ± 0.60 39.30max	19.05 ± 0.60 17.85min	13.00 ± 0.30 13.90max	0.70	82.75	118.67	9819.89	53.19
T38x20.5x13.8	38.00 ± 0.50 39.10max	20.50 ± 0.30 19.60min	13.80 ± 0.30 14.80max	0.74	86.31	116.99	10097.03	52.20
T38x22x14	38.00 ± 0.60 39.20max	22.00 ± 0.60 20.80min	14.00 ± 0.40 15.00max	0.82	89.71	109.25	9801.55	50.07

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	12.00mm - 38.00mm
Height	3.00mm - 15.00mm
Gap Sizes :	0.45mm - 2.00mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
Spilters
EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)					AL ± 30% (nH/N²)				
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T26x14.5x10				5680		11370	11370			
T26.4x14.5x10.2				5940		11880	11880			
T27x18x11.5					6200	8400		10000		
T28x12x12	6500									
T28x14x12		5100								
T28x16x13	3550	4300		7200	9900	14110	14110	17000		
T28x18x16				6960						
T29x19x7.49	1580	1900		3170	4430	6340	6340	7495		
T29x19x15.2	3220	3800	2500	6440	9020	12890	12890	15200		
T31x19x6	1465			2940	4110	5880	5880	6910		
T31x19x8	1965		1560	3920	5480	7830	7830	9220		
T31x19x12	2930			5870	8220	11740	11740			
T31x19x13	3180	3820	2500	6360	8910	12730	12730	14500		
T31x19x16	3840			7685	10760	15200	15200	18400		
T31x20x15				6470	9200	13150				
T34.4x20.2x12.6	3270	4000		6560	9180					
T34.74x5.4x1.0	830									
T36x23x15	3210			6430	9000	12860	12860	14500		
T36x23Ax22					11800					
T36x25x11.3	2100									
T36x26x10	1650									
T37x22x15	3900			7790	10900	15500	15500	13000min		
T38x19x13	4200	5200	3350	8400	11800	16800	16800	20800	20800	
T38x20.5x13.8										
T38x22x14	3820			7650	10710	15300				

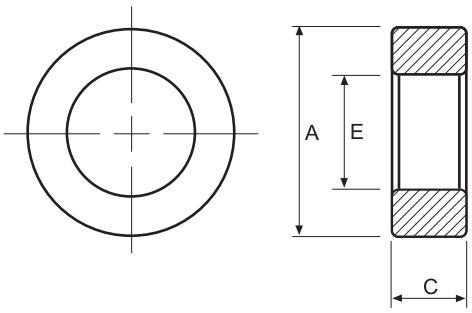
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : T Cores

Ordering Code:

A05	T48*30*15	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

Shape:



C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free W : Powder Coating of Halogen-Free

■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T40x5.3x1.0	40.00 ± 0.80 41.40max	5.30 ± 0.40 4.30min	1.00 ± 0.10 1.70max	3.11	38.79	12.48	484.11	5.98
T40x22x20	40.00 ± 0.80 42.00max	22.00 ± 0.80 20.40min	20.00 ± 0.50 21.50max	0.54	97.34	180.00	17521.20	83.32
T40x24x16	40.00 ± 0.80 41.40max	24.00 ± 0.80 22.60min	16.00 ± 0.50 17.10max	0.77	96.29	125.25	12060.36	61.82
T40x25x20	40.00 ± 0.80 41.40max	25.00 ± 0.80 23.60min	20.00 ± 0.40 21.00max	0.67	98.44	147.27	14496.76	73.00
T42x26x12.8	42.00 ± 0.80 43.40max	26.00 ± 0.80 24.60min	12.80 ± 0.40 13.80max	1.02	102.83	100.46	10329.98	52.07
T47x27x15	47.00 ± 0.80 48.40max	27.00 ± 0.60 25.80min	15.00 ± 0.40 16.00max	0.76	110.49	146.22	16156.02	82.03
T48x30x15	48.00 ± 0.80 49.40max	30.00 ± 0.80 28.60min	15.00 ± 0.40 16.00max	0.89	118.12	132.54	15656.50	79.39
T48x32x17	48.00 ± 0.80 49.40max	32.00 ± 0.90 30.50min	17.00 ± 0.60 18.20max	0.91	122.29	134.15	16404.83	82.33
T49.1x33.8x15.9	49.10 ± 1.00 50.70max	33.80 ± 1.00 32.20min	15.90 ± 0.40 16.90max	1.06	127.24	120.23	15298.45	76.17
T50x30x20	50.00 ± 1.00 51.60max	30.00 ± 1.00 28.40min	20.00 ± 0.40 21.00max	0.62	120.36	195.71	23555.40	118.20
T50x34x30	50.00 ± 0.60 51.20max	34.00 ± 0.50 32.90min	30.00 ± 0.40 31.00max	0.54	128.73	237.05	30515.55	153.50
T50.8x31.75x26	50.80 ± 1.00 52.40max	31.75 ± 1.00 30.15min	26.00 ± 0.50 27.10max	0.51	125.00	243.14	30396.40	153.61
T51x31x20	51.00 ± 0.70 52.50max	31.00 ± 0.50 29.70min	20.00 ± 0.50 21.00max	0.63	123.63	195.92	24222.49	126.50
T55.5x32.6x18	55.50 ± 1.10 57.20max	32.60 ± 1.10 30.90min	18.00 ± 0.50 19.10max	0.66	132.07	201.31	26585.86	133.44
T56x26x20	56.00 ± 1.00 57.60max	26.00 ± 1.00 24.40min	20.00 ± 0.40 21.00max	0.41	116.98	285.71	33422.36	158.70
T58.3x40.8x17.6	58.30 ± 1.60 60.50max	40.80 ± 1.00 39.20min	17.60 ± 0.50 18.70max	1.00	152.41	152.38	23223.44	112.02
T63x38x25	62.80 ± 1.60 65.00max	37.60 ± 1.20 35.80min	25.00 ± 0.60 26.20max	0.50	152.09	305.93	46528.26	240.25
T78x50.5x16	78.00 ± 1.50 80.10max	50.50 ± 1.50 48.40min	16.00 ± 0.50 17.10max	0.90	195.63	216.57	42366.42	213.00
T80x40x15	80.00 ± 1.50 82.10max	40.00 ± 1.30 38.10min	15.00 ± 0.60 16.20max	0.60	174.21	288.27	50218.93	269.76
T85x62x20	85.00 ± 1.70 87.30max	62.00 ± 1.00 60.40min	20.00 ± 0.80 21.40max	1.00	227.12	228.10	51806.37	253.41
T85.7x55.5x17.2	85.70 ± 1.50 87.80max	55.50 ± 1.50 53.40min	17.20 ± 0.40 18.20max	0.84	214,97	255.67	54961,79	206.18
T87x56x15	87.00 ± 1.50 89.10max	56.00 ± 1.50 53.90min	15.00 ± 0.40 16.00max	0.95	217.52	228.78	49763.04	255.00
T96x75x25	96.00 ± 1.50 98.10max	75.00 ± 1.50 72.90min	25.00 ± 0.40 26.00max	1.02	265.90	261.17	69444.66	345.07
T117x80x23	117.00 ± 2.50 120.30max	80.00 ± 2.00 77.20min	23.00 ± 1.00 24.80max	0.72	302.00	419.00	126538.00	634.30

MANUFACTURING CAPABILITY

Gapped Toroid Sizes(OD)	12.00mm - 38.00mm
Height	3.00mm - 15.00mm
Gap Sizes :	0.45mm - 2.00mm
AL Tolerance	AL ± 10%

APPLICATIONS

Power DC-DC Converters
Compact Power Transformer
Small, Low Profile Power lnductors

Telecom xDSL pass-band Filiters
Spilters
EMI Inductors
Filiter Inductors with Tight Tolerance

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)					AL ± 30% (nH/N²)				
CORES	**P4**	**P47**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
T40x5.3x1.0	1030									
T40x22x20				12000						
T40x24x16	4000	4800	3200	8000	11200					
T40x25x20	4600	5540	3690	9230	12930	18460				
T42x26x12.8	3010			6030	8500			14460		
T47x27x15				8100	11350	16000		19400		
T48x30x15	3465			6930	9700	13860	13860	16600		
T48x32x17						13600	13600			
T49.1x33.8x15.9	2935			5870		11750	11750	14100		
T50x30x20	5000	6000		10000	12250	17300				
T50x34x30				11000						
T50.8x31.75x26						21000				
T51x31x20				10000	13500					
T55.5x32.6x18	4683			9365	13100	18730	18730			
T56x26x20				15300						
T58.3x40.8x17.6	3100									
T63x38x25	6200	7585		12500	17700	24770	24770			
T78x50.5x16	3430			6850	9590	13500	13500			
T80x40x15	5200									
T85x62x20				6260		12000	12000			
T85.7x55.5x17.2				7500						
T87x56x15						10400				
T96x75x25				6150						
T117x80x23				8000						

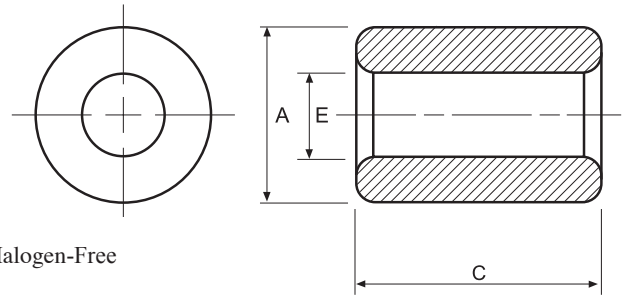
Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : RH Cores

Ordering Code:

A05	RH3*1.2*6.5	C
Material 材質	Core Size 品名	Coating 塗裝

Shape:



C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free

■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) PARYLENE COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
RH3x1.2x3.5	3.00 ± 0.15	1.20 ± 0.15	3.50 ± 0.20	1.96	5.76	2.94	16.92	0.100
	3.00 ± 0.15	1.20 ± 0.15	3.50 ± 0.20					
RH3x1.2x6.5	3.00 ± 0.15	1.20 ± 0.15	6.50 ± 0.20	1.05	5.76	5.46	31.42	0.185
	3.00 ± 0.15	1.20 ± 0.15	6.50 ± 0.20					
RH3x1.2x7	3.00 ± 0.15	1.20 ± 0.15	7.00 ± 0.20	0.98	5.76	5.88	33.84	0.199
	3.00 ± 0.15	1.20 ± 0.15	7.00 ± 0.20					
RH3.5x1.2x3.8	3.50 ± 0.20	1.20 ± 0.15	3.80 ± 0.20	1.54	6.14	3.98	24.41	0.16
	3.50 ± 0.20	1.20 ± 0.15	3.80 ± 0.20					
RH4.1x2.7x10	4.10 ± 0.10	2.70 ± 0.10	10.00 ± 0.20	1.50	10.38	6.90	71.59	0.35
	4.10 ± 0.10	2.70 ± 0.10	10.00 ± 0.20					
RH5.15x2.5x13.4	5.15 ± 0.15	2.65 ± 0.15	13.20 ± 0.20	0.65	11.03	17.00	187.55	1.04
	5.15 ± 0.15	2.65 ± 0.15	13.20 ± 0.20					
RH5.33x1.58x5.08	5.33 ± 0.23	1.58 ± 0.12	5.08 ± 0.23	1.02	8.58	8.43	72.35	0.50
	5.33 ± 0.23	1.58 ± 0.12	5.08 ± 0.23					
RH5.6x2.65x12.7	5.35 ± 0.25	2.65 ± 0.25	12.70 ± 0.45	0.66	11.82	17.88	211.45	1.00
	5.35 ± 0.25	2.65 ± 0.25	12.70 ± 0.45					
RH6x3x25	6.00 ± 0.25	3.00 ± 0.25	25.00 ± 0.25	0.36	13.07	36.03	470.80	2.51
	6.00 ± 0.25	3.00 ± 0.25	25.00 ± 0.25					
RH6.6x3.3x10.7	6.60 ± 0.20	3.30 ± 0.20	10.70 ± 0.20	0.85	14.37	16.96	243.82	1.32
	6.60 ± 0.20	3.30 ± 0.20	10.70 ± 0.20					
RH9.5x4.8x9.5*	9.50 ± 0.25	4.80 ± 0.30	9.50 ± 0.30	0.97	20.81	21.48	446.91	2.43
	10.35max*	3.90min*	10.40max*					
RH9.75x6.7x15*	9.75 ± 0.30	6.70 ± 0.30	15.00 ± 0.30	1.12	25.24	22.61	570.71	2.86
	10.65max*	5.80min*	15.90max*					
RH9.75x6.7x19.6*	9.75 ± 0.30	6.70 ± 0.30	19.60 ± 0.30	0.85	25.24	29.54	745.73	3.65
	10.65max*	5.80min*	20.50max*					
RH10x4.5x20*	10.00 ± 0.30	4.50 ± 0.30	20.00 ± 0.50	0.39	20.52	52.17	1070.75	5.92
	10.90max*	3.60min*	21.10max*					
RH17x4.5x19	17.00 ± 0.40	4.50 ± 0.30	19.00 ± 0.80	0.25	25.55	102.71	2624.73	18.80
	–	–	–					

Remark:
* Epoxy coating dimensions.

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)				AL ± 30%(nH/N²)				
CORES	**P4**	**P5**	**A05**	**A07**	**A10**	**A102**	**A121**	**A13**	**A151**
RH3x1.2x3.5			3000						
RH3x1.2x6.5			5575						
RH3x1.2x7			6000						
RH3.5x1.2x3.8	1860	1480							
RH4.1x2.7x10	2000								
RH5.15x2.5x13.4	4600								
RH5.33x1.58x5.08	2700								
RH5.6x2.65x12.7	4500								
RH6x3x25	8000								
RH6.6x3.3x10.7	3500								
RH9.5x4.8x9.5	3300								
RH9.75x6.7x15	2780								
RH9.75x6.7x19.6	3635								
RH10x4.5x20	8000								
RH17x4.5x19	11000								

Remark:
1. AL Value Testing Condition : 10kHz, 50mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : R Cores

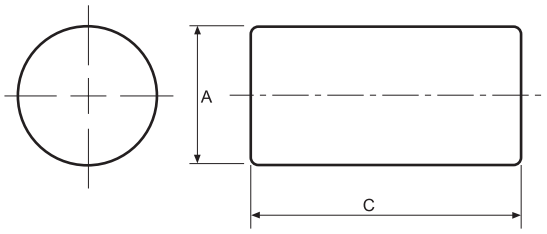
Ordering Code:

H5	R1.6*C
Material 材質	Core Size 品名

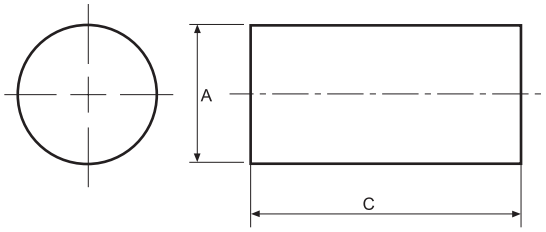
C : Highly

Shape:

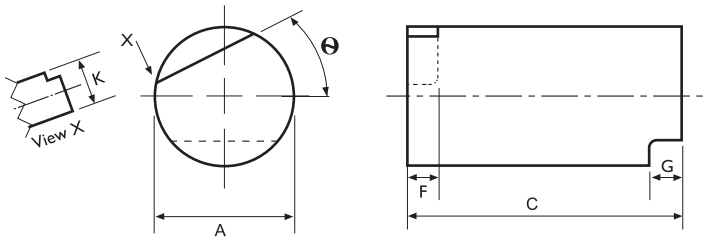
Type:1



Type:2



Type:3



■ DIMENSIONS

CORES	DIMENSIONS (mm)			Type
	A	C	Θ	
R1.6xC	1.60 ± 0.10	7.00 - 16.00	–	2
R1.8xC	1.80 $^{+0.00}_{-0.05}$	7.00 - 18.00	–	1
R2.0xC	2.00 ± 0.10	7.00 - 18.00	–	1
R2.4xC	2.40 $^{+0.00}_{-0.20}$	7.00 - 20.00	–	1
R2.5xC	2.50 $^{+0.00}_{-0.05}$	7.00 - 20.00	–	2
R3.0xC	3.00 ± 0.15	7.00 - 28.00	–	1
R3.5xC	3.50 ± 0.15	7.00 - 28.00	–	1
R4.0xC	4.00 $^{+0.00}_{-0.10}$	15.00 - 25.00	45° (Ref)	3
R4.0xC	4.00 ± 0.15	7.00 - 30.00	–	1
R4.6xC	4.60 $^{+0.00}_{-0.25}$	7.00 - 30.00	–	1
R5.0xC	5.00 $^{+0.00}_{-0.10}$	15.00 - 30.00	60° (Ref)	3
R5.0xC	5.00 ± 0.20	7.00 - 35.00	–	1
R5.2xC	5.25 $^{+0.00}_{-0.10}$	15.00 - 25.00	20° (Ref)	3
R5.5xC	5.50 $^{+0.00}_{-0.10}$	15.00 - 25.00	90° (Ref)	3
R6.0xC	6.00 $^{+0.00}_{-0.10}$	15.00 - 29.00	30° (Ref)	3
R6.0xC	6.00 $^{+0.00}_{-0.30}$	7.00 - 38.00	–	1
R6.5xC	6.50 $^{+0.00}_{-0.30}$	7.00 - 38.00	–	1
R7.0xC	7.00 ± 0.20	7.00 - 40.00	–	1
R7.0xC	7.00 $^{+0.00}_{-0.20}$	15.00 - 29.00	50° (Ref)	3
R8.0xC	8.00 ± 0.20	7.00 - 40.00	–	1
R8.0xC	8.00 $^{+0.00}_{-0.40}$	7.00 - 40.00	–	1
R8.0xC	8.00 $^{+0.00}_{-0.20}$	15.00 - 29.00	55° (Ref)	3
R9.5xC	9.50 ± 0.20	7.00 - 40.00	–	1
R10xC	10.00 ± 0.20	7.00 - 40.00	–	1
R10xC	10.00 $^{+0.00}_{-0.40}$	7.00 - 40.00	–	1
R12.0xC	12.00 ± 0.20	7.00 - 40.00	–	1

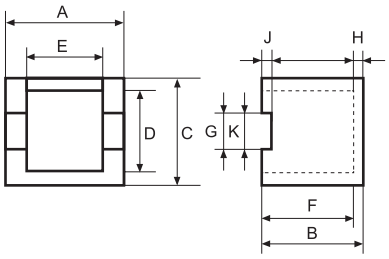
Remark: Customized dimensions are available.

Type : SC Cores

Ordering Code: K081 (Material 材質) SC8.4*8 (Core Size 品名)

Shape:

Type:1



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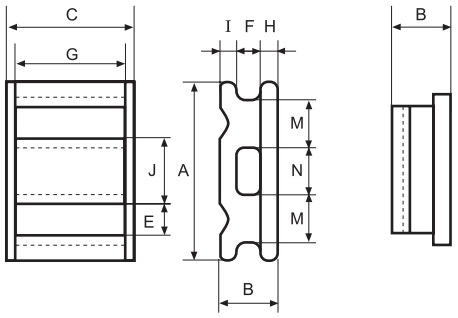

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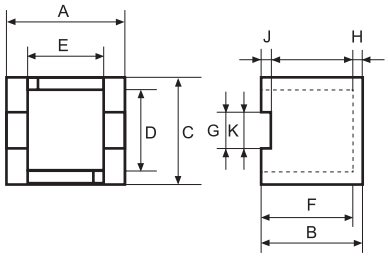
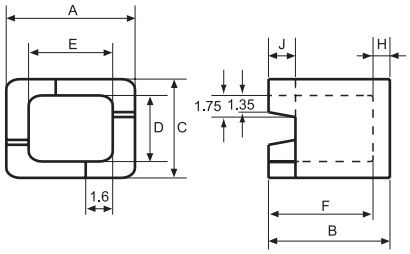
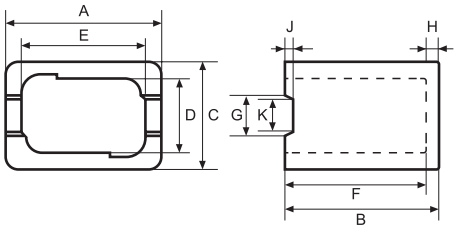


Type:4



Type:5



■ DIMENSIONS

CORES	DIMENSIONS (mm)						
	A	B	C	D	E	F	G
SC7.8	7.80 ± 0.20	7..00 ± 0.20	7.80 ± 0.20	5.60 ± 0.15	5.95 ± 0.15	5.90 ± 0.20	2.80 ± 0.20
SC8.4x8	8.40 ± 0.15	9.00 ± 0.15	8.00 ± 0.15	6.50 ± 0.15	4.90 ± 0.15	7.70 ± 0.15	0.80 ± 0.15
SC10x8x9.3	10.00 ± 0.20	9.30 ± 0.20	8.00 ± 0.20	5.35 ± 0.15	7.35 ± 0.15	8.30 ± 0.20	–
SC10.4x10x9	10.40 ± 0.20	9.00 ± 0.20	10.00 ± 0.20	7.20 ± 0.15	8.20 ± 0.15	8.00 ± 0.20	3.50 ± 0.20
SC11.3	11.30 ± 0.20	9.80 ± 0.15	11.30 ± 0.20	8.50 ± 0.15	7.80 ± 0.15	8.60 ± 0.15	3.90 ± 0.10
SC11.4A	11.40 ± 0.20	9.50 ± 0.20	11.40 ± 0.20	8.35 ± 0.15	8.90 ± 0.15	8.20 ± 0.20	4.00 ± 0.20
SC11.6x10	11.60 ± 0.20	10.00 ± 0.20	11.60 ± 0.20	9.20 ± 0.15	7.70 ± 0.15	8.65 ± 0.15	3.50 ± 0.15
SC12x10	12.00 ± 0.20	4.60 ± 0.15	10.00 ± 0.20	–	2.10 ± 0.15	1.80 ± 0.10	8.50 ± 0.20

■ EFFECTIVE PARAMETERS AND ELECTRICAL CHARACTERISTICS

CORES	DIMENSIONS (mm)					Wt(g/set)	Type
	H	J	K	M	N		
SC7.8	1.10 ± 0.20	0.22 ± 0.10	2.60 ± 0.20	–	–	1.46	5
SC8.4x8	1.30 ± 0.10	0.55 ± 0.10	–	–	–	1.86	1
SC10x8x9.3	2.00 ± 0.20	1.60 ± 0.15	–	–	–	1.91	4
SC10.4x10x9	1.00 ± 0.20	0.22 ± 0.10	3.30 ± 0.20	–	–	2.84	5
SC11.3	1.20 ± 0.10	0.80 ± 0.10	3.40 ± 0.10	–	–	2.90	1
SC11.4A	1.30 ± 0.20	0.27 ± 0.10	3.80 ± 0.20	–	–	3.25	5
SC11.6x10	1.35 ± 0.10	0.80 ± 0.10	3.40 ± 0.15	–	–	3.80	3
SC12x10	1.40 ± 0.10	4.30 ± 0.15	–	3.40 ± 0.15	3.00 ± 0.15	2.04	2

Remark: Customized dimensions are available.

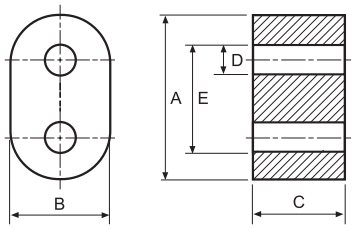
Type : RID Cores

Ordering Code:

K081	RID5*3*3	HP
Material 材質	Core Size 品名	Coating 塗裝

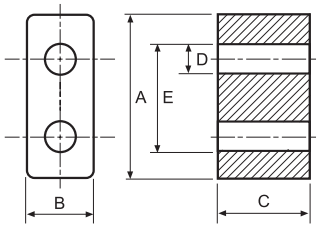
Shape:

Type:1

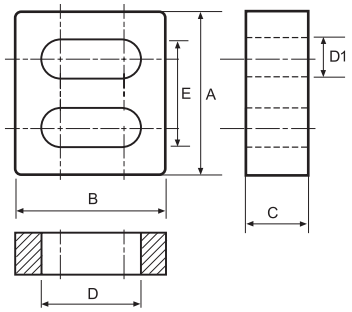


C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free

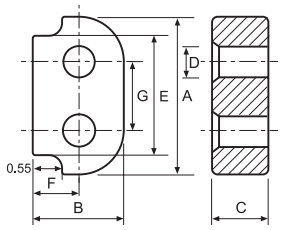
Type:2



Type:3



Type:4



■ DIMENSIONS

CORES	DIMENSIONS (mm)						Wt(g/set)	Type
	A	B	C	D	D1	E		
RID2.5x2.1x1.0	2.50 ± 0.15	2.10 ± 0.15	1.00 ± 0.15	1.00 ± 0.15	0.55 ± 0.15	1.75 ± 0.15	0.022	3
RID3.1x1.8x1.2	3.10 ± 0.10	1.80 ± 0.10	1.20 ± 0.10	0.90 ± 0.10	–	2.20 ± 0.15	0.027	2
RID3.4x1.3x2.1	3.40 ± 0.20	1.30 ± 0.20	2.10 ± 0.20	0.60 ± 0.10	–	2.40 ± 0.20	0.032	4
RID3.6x2.1x2.35	3.60 ± 0.25	2.10 ± 0.20	2.35 ± 0.15	0.80 ± 0.15	–	2.33 ± 0.25	–	1
RID5x2x2.8	5.00 ± 0.20	2.00 ± 0.10	2.80 ± 0.20	1.10 ref	–	–	–	1
RID5x2.3x3.5	5.00 ± 0.20	2.30 ± 0.15	3.50 ± 0.20	1.20 ± 0.10	–	–	–	1
RID5x3x3	5.00 ± 0.30	3.00 ± 0.20	3.00 ± 0.30	1.20 ± 0.20	–	3.20 ± 0.20	–	1
RID5.1x2.6x4.2	5.10 ± 0.25	2.60 ± 0.20	$4.20^{+0.00}_{-0.40}$	1.40 ± 0.10	–	–	–	1
RID5.2x3x2	5.20 ± 0.30	3.00 ± 0.20	2.00 ± 0.20	1.20 ± 0.10	–	2.60ref	0.112	1
RID6x3x5	6.00 ± 0.30	3.00 ± 0.30	5.00 ± 0.30	1.50 ± 0.10	–	–	–	1
RID6.9x4.06x6.35	6.90 ± 0.30	4.06 ± 0.25	6.35 ± 0.38	1.50 ± 0.10	–	–	–	1
RID7.1x4.0x8.0	7.10 ± 0.20	4.00 ± 0.20	8.00 ± 0.20	2.20 ± 0.10	–	–	–	1
RID8.4x4.2x7	8.40 ± 0.25	4.20 ± 0.20	7.00 ± 0.20	1.90 ± 0.10	–	–	–	2
RID9.4x5.3x8	9.40 ± 0.35	5.30 ± 0.15	8.00 ± 0.25	2.59 ± 0.10	–	–	–	2
RID12x6.8x4	12.00 ± 0.40	6.80 ± 0.30	4.00 ± 0.30	3.80 ± 0.20	–	–	–	1
RID13.3x7.5x6.6	13.30 ± 0.50	7.50 ± 0.40	6.60 ± 0.25	3.80 ± 0.25	–	9.50 ± 0.30	–	1
RID13.5x7.5x14	13.50 ± 0.30	7.50 ± 0.25	14.00 ± 0.30	4.20 ± 0.20	–	10.30 ± 0.30	5.20	1
RID20x10x15	20.00 ± 0.50	10.00 ± 0.30	15.00 ± 0.50	$5.10^{+0.30}_{-0.00}$	–	–	–	2

Remark: Customized dimensions are available.

Type : R Cores (Multi Aperture)

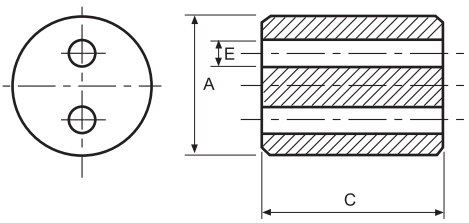
Ordering Code:

H5	R2H7/5.5
Material 材質	Core Size 品名

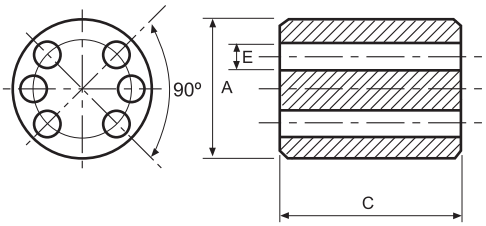
R2H:2 Holes

Shape:

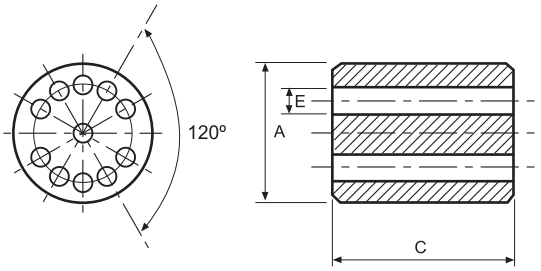
Type:1



Type:2



Type:3



■ DIMENSIONS

CORES	DIMENSIONS (mm)				Type
	A	C	E	L	
R2H7/5.5	7.00 ± 0.20	5.50 ± 0.30	1.80 ± 0.15	3.00 ref	1
R6H6/10	6.00 ± 0.25	10.00 ± 0.25	$0.85^{+0.20}_{-0.00}$	3.50 ref	2
R11H10/10	10.00 ± 0.25	10.00 ± 0.25	$0.90^{+0.15}_{-0.00}$	7.50 ref	3

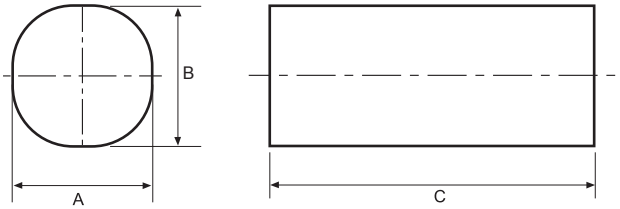
Remark: Customized dimensions are available.

Type : AR Cores

Ordering Code:

H5	AR4.1*4.2*40
Material 材質	Core Size 品名

Shape:



■ DIMENSIONS

CORES	DIMENSIONS (mm)		
	A	B	C
AR4.1x4.2x40	4.10 ± 0.20	4.20 ± 0.20	40.00 ± 1.00
AR4.1x5x40	4.10 ± 0.20	5.00 ± 0.20	40.00 ± 1.00
AR6.15x6.35x50	6.15 ± 0.20	6.35 ± 0.20	50.00 ± 1.00
AR6.15x6.35x95.25	6.15 ± 0.15	6.35 ± 0.25	95.25 ± 1.00
AR9x10x50	9.00 ± 0.30	10.00 ± 0.30	50.00 ± 1.00
AR9x10x60	9.00 ± 0.30	10.00 ± 0.30	60.00 ± 1.00
AR9.2x9.4x50.8	9.20 ± 0.30	9.40 ± 0.30	50.80 ± 1.00
AR9.2x9.4x76.2	9.20 ± 0.30	9.40 ± 0.30	$76.20^{+0.50}_{-1.00}$
AR11x12x60	11.00 ± 0.30	12.00 ± 0.40	60.00 ± 1.60

Remark: Customized dimensions are available.

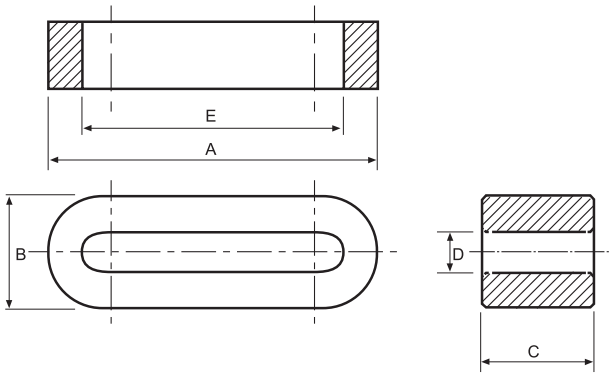
Type : FC Cores

Ordering Code:

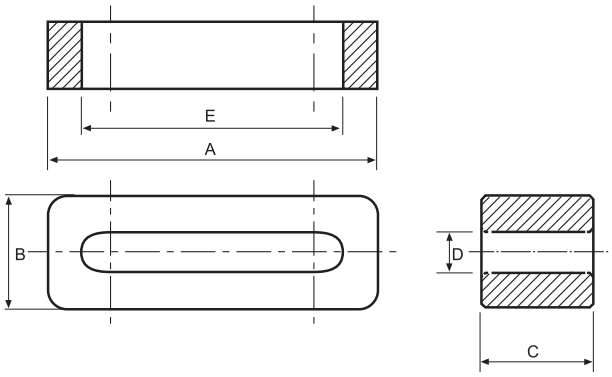
H5	FC14.5*2.75*15
Material 材質	Core Size 品名

Shape:

Type:1



Type:2



■ DIMENSIONS

CORES	DIMENSIONS (mm)					Type
	A	B	C	D	E	
FC14.5x2.75x15	14.50 ± 0.50	2.75 ± 0.30	15.00 ± 0.40	0.70 ± 0.30	11.00 ± 0.40	1
FC14.5x2.75x20	14.50 ± 0.50	2.75 ± 0.30	20.00 ± 0.50	0.70 ± 0.30	11.00 ± 0.40	1
FC15.5x3.4x10	15.50 ± 0.38	3.40 ± 0.51	10.00 ± 0.25	1.40 ± 0.51	13.50 ± 0.38	1
FC17x5x6	17.00 ± 0.40	5.00 ± 0.30	6.00 ± 0.50	0.80 ± 0.40	13.00 ± 0.40	1
FC17x5x9	17.00 ± 0.40	5.00 ± 0.30	9.00 ± 0.50	0.80 ± 0.40	13.00 ± 0.40	1
FC22.35x7.75x19.05	22.35 ± 0.51	7.75 ± 0.38	19.05 ± 0.64	1.50 ± 0.15	14.00 ± 0.25	2
FC24.5x5x7	24.50 ± 0.50	$5.00^{+0.00}_{-0.60}$	7.00 ± 0.30	$0.50^{+0.50}_{-0.00}$	$20.00^{+1.00}_{-0.00}$	1
FC31x5x12	31.00 ± 0.70	$5.00^{+0.00}_{-0.70}$	12.00 ± 0.50	1.00 ± 0.50	$27.00^{+0.08}_{-0.60}$	1
FC31.4x7.75x21	31.40 ± 0.51	7.75 ± 0.38	21.00 ± 0.64	1.00 ± 0.50	23.00 ± 0.38	2
FC37x8x18.25	37.00 ± 0.80	8.00 ± 0.50	18.25 ± 1.00	1.50 ± 0.40	27.00 ± 0.80	1

Remark: Customized dimensions are available.

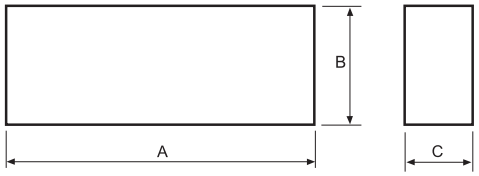
Type : I Cores (Plates)

Ordering Code:

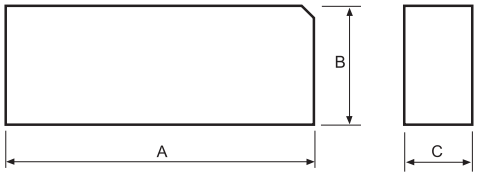
H5	I11*2*1
Material 材質	Core Size 品名

Shape:

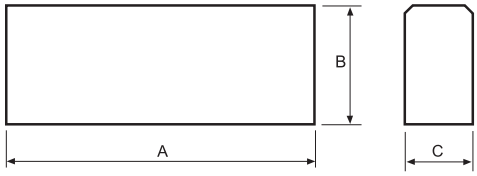
Type:1



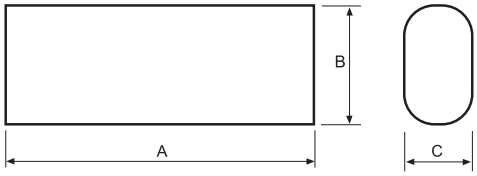
Type:2



Type:3



Type:4



■ DIMENSIONS

CORES	DIMENSIONS (mm)			Type
	A	B	C	
I11x2x1	11.00 ± 0.10	2.00 ± 0.05	1.00 ± 0.05	1
I11x2x1A	11.00 ± 0.10	2.00 ± 0.05	1.00 ± 0.05	2
I11.3x2.1x1.2	$11.30^{+0.00}_{-0.20}$	$2.10^{+0.00}_{-0.10}$	$1.20^{+0.00}_{-0.10}$	1
I11.3x2.2x1.3	$11.30^{+0.00}_{-0.20}$	$2.20^{+0.00}_{-0.10}$	$1.30^{+0.00}_{-0.10}$	3
I29.2x12x5	29.20 ± 0.40	12.00 ± 0.30	5.00 ± 0.30	4
I31.2x9.6x4.6	31.20 ± 0.40	9.60 ± 0.30	4.60 ± 0.30	4
I43.5x16.2x8.8	$43.50^{+0.10}_{-0.60}$	16.20 ± 0.40	8.80 ± 0.30	4
I50x12x3	$50.00^{+0.20}_{-0.80}$	12.00 ± 0.20	3.00 ± 0.10	1

Remark: Customized dimensions are available.

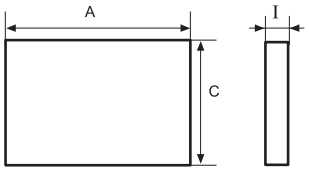
Type : I Cores

Ordering Code:

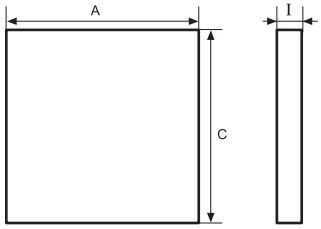
K081	I53.3*53.3*2.5
Material 材質	Core Size 品名

Shape:

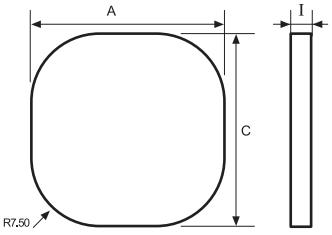
Type:1



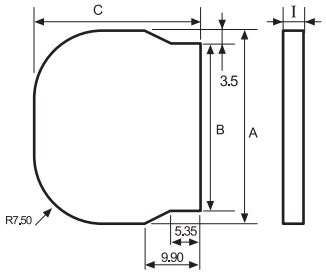
Type:2



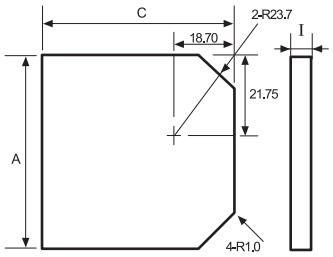
Type:3



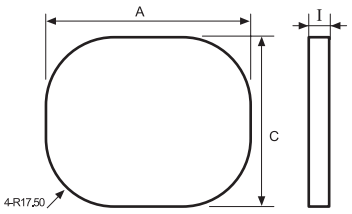
Type:4



Type:5



Type:6



■ DIMENSIONS

CORES	DIMENSIONS (mm)				Wt(g/pc)	Type
	A	B	C	I		
I25x25x0.6	25.00 ± 0.40	–	25.00 ± 0.40	0.60 ± 0.10	1.80	3
I26.42x26.42x2.25	26.42 ± 0.38	–	26.42 ± 0.38	2.25 ± 0.15	8.05	2
I50x12x3	50.00 ± 0.60	–	12.00 ± 0.30	3.00 ± 0.15	8.96	1
I50x8x2.5	50.00 ± 0.60	–	8.00 ± 0.25	3.00 ± 0.15	5.10	1
I50x50x2.37	50.00 ± 0.40	–	50.00 ± 0.40	2.37 ± 0.10	31.87	2
I51.2x46.5x0.8	51.20 ± 0.60	44.20 ± 0.50	46.50 ± 0.50	0.80 ± 0.10	9.01	4
I53.3x53.3x2.5	53.30 ± 0.70	–	53.30 ± 0.70	2.50 ± 0.15	36.50	2
I54x46x0.8	54.00 ± 0.50	–	46.50 ± 0.40	0.80 ± 0.10	10.00	5
I59.5x52x2.5	59.50 ± 0.50	–	52.00 ± 0.50	2.50 ± 0.20	36.10	6

Remark: Customized dimensions are available.

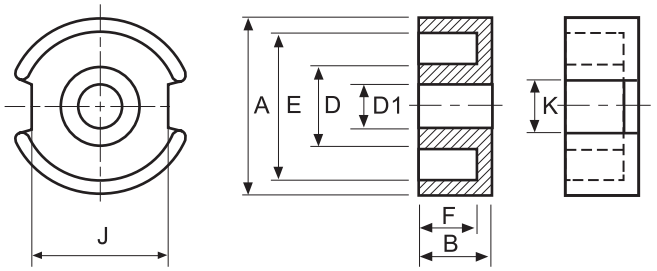
Type : POT Cores

Ordering Code:

F52 POT5.35Ax3.8CH

Material 材質 | Core Size 品名

Shape:



■ DIMENSIONS

CORES	DIMENSIONS (mm)							
	A	B	D	E	F	J	K	D1
POT5.35Ax3.8CH	5.35 ± 0.15	1.90 ± 0.10	2.00 ± 0.15	4.35 ± 0.25	1.23 ± 0.10	3.10 ± 0.20	1.40 ± 0.20	0.95 ± 0.10
POT7.4Ax7CH	7.50 ± 0.20	3.50 ± 0.10	2.30 ± 0.15	5.75 ± 0.25	2.80 ± 0.10	4.00 ± 0.10	2.15 ± 0.20	1.25 ± 0.10

■ EFFECTIVE PARAMETERS

CORES	EFFECTIVE PARAMETERS				
	$C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
POT5.35Ax3.8CH	2.12	6.98	3.29	22.94	0.16
POT7.4Ax7CH	3.01	11.22	3.73	41.83	0.58

Remark: Customized dimensions are available.

Type : T Cores (EMI Suppression)

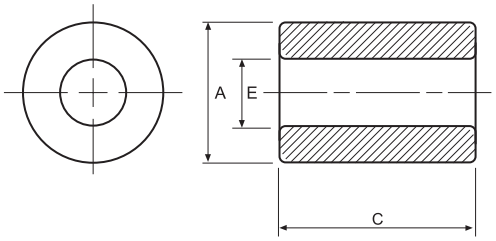
Ordering Code:

K081 T3.5*1.6*3.25

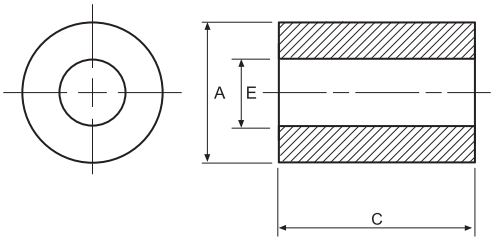
Material 材質 | Core Size 品名

Shape:

Type:1



Type:2



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm)			Impedance		Type
	A	E	C	25MHz (min)	100MHz (min)	
T3.5x1.6x3.25	3.50 ± 0.20	1.60 ± 0.15	3.25 ± 0.20	17	35	2
T4x2x3	4.00 ± 0.20	2.00 ± 0.10	3.00 ± 0.20	14	30	1
T5.84x3.05x1.52	5.84 ± 0.25	3.05 ± 0.15	1.52 ± 0.10	8	23	1
T6.35x3.18x6	6.35 ± 0.25	3.18 ± 0.20	6.00 ± 0.30	28	62	1
T7.6x3.6x4.2	7.60 ± 0.30	3.60 ± 0.20	4.20 ± 0.20	20	38	1
T8x4x3	8.00 ± 0.30	4.00 ± 0.15	3.00 ± 0.15	20	59	2
T9.52x4.8x3.18	9.52 ± 0.25	4.80 ± 0.20	3.18 ± 0.25	16	35	1
T10.5x5.5x5	10.50 ± 0.35	5.50 ± 0.20	5.00 ± 0.30	20	38	1
T12x6x4	12.00 ± 0.40	6.00 ± 0.20	4.00 ± 0.30	18	36	1
T12.7x7.92x6.35	12.70 ± 0.40	7.92 ± 0.25	6.35 ± 0.30	20	40	1
T13x7x7	13.00 ± 0.40	$7.00^{+0.40}_{-0.00}$	7.00 ± 0.30	25	50	1
T14.27x6.35x5.08	14.27 ± 0.40	6.35 ± 0.25	5.08 ± 0.20	24	50	1
T16x9x4	16.00 ± 0.50	9.00 ± 0.30	4.00 ± 0.20	13	30	1
T17.42x9.52x12.7	17.42 ± 0.50	9.52 ± 0.30	12.70 ± 0.40	44	88	1
T18.5x10x5	18.50 ± 0.50	10.00 ± 0.30	5.00 ± 0.30	42	70	1
T20x10x5	20.00 ± 0.50	10.00 ± 0.30	5.00 ± 0.20	23	56	1
T25x15x12	25.00 ± 0.50	15.00 ± 0.30	12.00 ± 0.40	35	80	1
T31x19x22	31.00 ± 0.70	19.00 ± 0.50	22.00 ± 0.60	63	117	1
T38.1x19.05x12.7	38.10 ± 0.70	19.05 ± 0.50	12.70 ± 0.40	48	87	1

Remark: Customized dimensions are available.

Type : T Cores

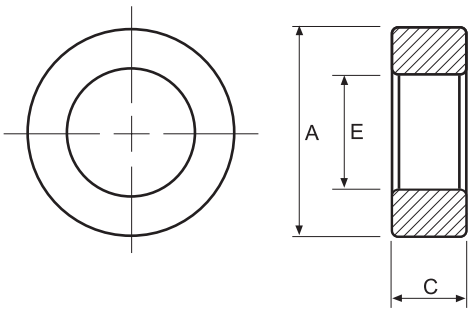
Ordering Code:

K081 T2.03*1.27*0.76 HP G□

Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) PARYLENE COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T2.03x1x0.76	2.03 ± 0.15	1.00 ± 0.15	0.76 ± 0.15	11.68	4.38	0.38	1.65	0.009
	2.03 ± 0.15	1.00 ± 0.15	0.76 ± 0.15					
T2.03x1.1x0.64	2.03 ± 0.15	1.10 ± 0.15	0.64 ± 0.15	16.02	4.62	0.29	1.33	0.007
	2.03 ± 0.15	1.10 ± 0.15	0.64 ± 0.15					
T2.03x1.27x0.76	2.03 ± 0.15	1.27 ± 0.15	0.76 ± 0.15	17.63	5.00	0.28	1.42	0.007
	2.03 ± 0.15	1.27 ± 0.15	0.76 ± 0.15					
T2.5x1.5x1.3	2.50 ± 0.15	1.50 ± 0.15	1.30 ± 0.15	9.46	6.02	0.64	3.83	0.020
	2.50 ± 0.15	1.50 ± 0.15	1.30 ± 0.15					
T2.54x1.27x1.27	2.54 ± 0.15	1.27 ± 0.15	1.27 ± 0.15	7.14	5.53	0.77	4.29	0.022
	2.54 ± 0.15	1.27 ± 0.15	1.27 ± 0.15					
T3.05x1.27x1.3	3.05 ± 0.15	1.27 ± 0.15	1.30 ± 0.15	5.52	5.99	1.09	6.50	0.038
	3.05 ± 0.15	1.27 ± 0.15	1.30 ± 0.15					
T3.05x1.5x2	3.05 ± 0.15	1.50 ± 0.15	2.00 ± 0.15	4.43	6.58	1.49	9.78	0.053
	3.05 ± 0.15	1.50 ± 0.15	2.00± 0.15					
T3.05x1.68x2.06	3.05 ± 0.15	1.68 ± 0.15	2.06 ± 0.15	5.11	7.01	1.37	9.60	0.048
	3.05 ± 0.15	1.68 ± 0.15	2.06 ± 0.15					
T3.05x1.78x1.78	3.05 ± 0.15	1.78 ± 0.15	1.78 ± 0.15	6.55	7.23	1.10	7.98	0.041
	3.05 ± 0.15	1.78 ± 0.15	1.78 ± 0.15					
T3.3x1.2x1.6	3.30 ± 0.15	1.20 ± 0.15	1.60 ± 0.15	3.88	5.99	1.54	9.25	0.060
	3.30 ± 0.15	1.20 ± 0.15	1.60 ± 0.15					
T3.3x1.3x1.3	3.30 ± 0.15	1.30 ± 0.15	1.30 ± 0.15	5.19	6.28	1.21	7.60	0.050
	3.30 ± 0.15	1.30 ± 0.15	1.30 ± 0.15					
T3.43x1.27x3	3.43 ± 0.15	1.27 ± 0.15	3.00 ± 0.15	2.11	6.29	2.99	18.80	0.114
	3.43 ± 0.15	1.27 ± 0.15	3.00 ± 0.15					
T3.5x1.5x3	3.50 ± 0.15	1.50 ± 0.15	3.00 ± 0.15	2.47	6.99	2.83	19.75	0.115
	3.50 ± 0.15	1.50 ± 0.15	3.00 ± 0.15					
T3.5x1.8x1.3	3.45 ± 0.15	1.75 ± 0.15	1.30 ± 0.15	7.27	7.74	1.07	8.25	0.044
	3.45 ± 0.15	1.75 ± 0.15	1.30 ± 0.15					
T3.94x2.24x1.27	3.94 ± 0.15	2.24 ± 0.15	1.27 ± 0.15	8.76	9.21	1.05	9.68	0.050
	3.94 ± 0.15	2.24 ± 0.15	1.27 ± 0.15					
T4x2x2	4.00 ± 0.20	2.00 ± 0.20	2.00 ± 0.20	4.53	8.71	1.92	16.74	0.099
	4.00 ± 0.20	2.00 ± 0.20	2.00 ± 0.20					
T4.1x2.9x0.4	4.10 ± 0.20	2.90 ± 0.20	0.40 ± 0.15	45.49	10.78	0.24	2.55	0.010
	4.10 ± 0.20	2.90 ± 0.20	0.40 ± 0.15					
T4.3x2.8x2.5	4.30 ± 0.20	2.80 ± 0.20	2.50 ± 0.20	5.86	10.82	1.85	19.98	0.110
	4.30 ± 0.20	2.80 ± 0.20	2.50 ± 0.20					
T4.83x2.29x2.54	4.83 ± 0.12	2.29 ± 0.15	2.54 ± 0.12	3.31	10.21	3.08	31.45	0.19
	4.83 ± 0.12	2.29 ± 0.15	2.54 ± 0.12					
T4.95x2.97x2.79	4.95 ± 0.20	2.97± 0.20	2.79 ± 0.20	4.51	11.92	2.70	32.21	0.180
	4.95 ± 0.20	2.97± 0.20	2.79 ± 0.20					

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)									
CORES	**L2**	**K081**	**K10**	**K12**	**K15**	**K20**	**B30**	**B45**	**B60**	**B90**
T2.03x1x0.76		80			155					
T2.03x1.1x0.64										
T2.03x1.27x0.76		55								
T2.5x1.5x1.3		105		156						
T2.54x1.27x1.27		144								
T3.05x1.27x1.3		170								
T3.05x1.5x2			272							
T3.05x1.68x2.06										
T3.05x1.78x1.78		149								
T3.3x1.2x1.6	18									
T3.3x1.3x1.3	14									
T3.43x1.27x3			550							
T3.5x1.5x3		385			720					
T3.5x1.8x1.3		135	170							
T3.94x2.24x1.27			140		210					
T4x2x2		210	270	320	400					
T4.1x2.9x0.4									16.5	
T4.3x2.8x2.5		170	210		320					
T4.83x2.29x2.54		300	380		570					
T4.95x2.97x2.79								125	167	

Remark:
1. AL Value Testing Condition : 100kHz, 100mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

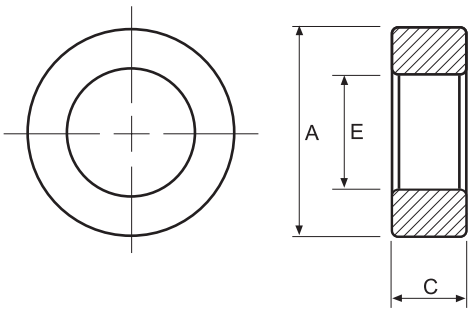
Type : T Cores

Ordering Code:

K081	T5*3*2	HP	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS $C_1(mm^{-1})$	Le(mm)	$Ae(mm^2)$	$Ve(mm^3)$	Wt(g/set)
T5x3x2	5.00 ± 0.15	3.00± 0.15	2.00 ± 0.15	6.15	12.04	1.96	23.56	0.130
	5.00 ± 0.15*	3.00± 0.15*	2.00 ± 0.15*					
T5.38x2.97x2.79	5.38 ± 0.10	2.97± 0.10	2.79 ± 0.10	3.79	12.38	3.26	40.40	0.220
	5.38 ± 0.10*	2.97± 0.10*	2.79 ± 0.10*					
T5.84x3.05x1.52	5.84 ± 0.15	3.05 ± 0.15	1.52 ± 0.15	6.36	13.03	2.05	26.67	0.146
	5.84 ± 0.15*	3.05 ± 0.15*	1.52 ± 0.15*					
T6x3x2	6.00 ± 0.30	3.00 ± 0.30	2.00 ± 0.20	4.53	13.07	2.88	37.66	0.21
	6.00 ± 0.30*	3.00 ± 0.30*	2.00 ± 0.20*					
T6.22x2.8x3.38	6.22 ± 0.30	2.80 ± 0.30	3.88 ± 0.20	2.33	12.77	5.48	70.01	0.42
	6.22 ± 0.30*	2.80 ± 0.30*	3.88 ± 0.20*					
T7x4x4	7.00 ± 0.30	4.00 ± 0.20	4.00 ± 0.20	2.81	16.41	5.85	95.92	0.55
	7.00 ± 0.30*	4.00 ± 0.20*	4.00 ± 0.20*					
T7.62x3.18x3.18	7.62 ± 0.15	3.18 ± 0.15	3.18 ± 0.15	2.26	14.98	6.63	99.29	0.58
	7.62 ± 0.15*	3.18 ± 0.15*	3.18 ± 0.15*					
T8x4x4	8.00 ± 0.30	4.00 ± 0.20	4.00 ± 0.30	2.27	17.42	7.69	133.92	0.77
	8.90max	3.20min	4.90max					
T8.85x5.25x2	8.85 ± 0.20	5.25 ± 0.20	2.00 ± 0.10	3.33	21.17	3.52	71.01	0.42
	9.65max	4.45min	2.70max					
T9x5x3	9.10 ± 0.30	5.10 ± 0.30	3.00 ± 0.30	3.56	20.77	5.83	121.12	0.68
	10.00max	4.20min	3.90max					
T10x5.5x5C	10.10 ± 0.20	5.60 ± 0.20	5.00 ± 0.20	2.10	22.96	10.92	250.69	1.37
	10.90max	4.80min	5.80max					
T10x6x3.1	10.10 ± 0.30	6.10 ± 0.30	3.10 ± 0.30	3.97	24.07	6.07	146.04	0.80
	11.00max	5.20min	4.00max					
T10x6x4	10.10 ± 0.30	6.10 ± 0.30	4.00 ± 0.30	3.08	24.07	7.83	188.44	1.03
	11.00max	5.20min	4.90max					
T12.5x7.5x5	12.50 ± 0.30	7.50 ± 0.30	5.00 ± 0.30	2.46	30.09	12.23	368.05	2.05
	13.40max	6.60min	5.90max					
T12.7x7.14x6.35	12.70 ± 0.40	7.14 ± 0.30	6.35 ± 0.30	1.72	29.51	17.17	506.72	2.83
	13.70max	6.24min	7.25max					
T12.7x7.92x4.7	12.70 ± 0.40	7.92 ± 0.30	4.70 ± 0.30	2.83	31.22	11.03	344.21	1.71
	13.70max	7.02min	5.60max					
T12.85x7.35x5	12.85 ± 0.40	7.35 ± 0.30	5.00 ± 0.30	2.25	30.14	13.40	403.78	2.27
	13.85max	6.45min	5.90max					
T13x7x3	13.00 ± 0.30	7.00 ± 0.30	3.00 ± 0.30	3.38	29.50	8.72	257.24	1.47
	13.90max	6,10min	3.90max					
T14x8x7	14.00 ± 0.40	8.00 ± 0.30	7.00 ± 0.30	1.60	32.82	20.46	671.46	3.45
	15.00max	7.10min	7.90max					
T14x9x7	14.00 ± 0.40	9.00 ± 0.30	7.00 ± 0.30	2.03	34.98	17.22	602.27	3.22
	15.00max	8.10min	7.90max					

Remark: *Parylene Coating dimensions.

■ ELECTRICAL CHARACTERISTICS

	AL ± 25% (nH/N²)									
CORES	**L2**	**K081**	**K10**	**K12**	**K15**	**K20**	**B30**	**B45**	**B60**	**B90**
T5x3x2		160	200							
T5.38x2.97x2.79		255	320	385			95	145	190	290
T5.84x3.05x1.52			95							
T6x3x2		210		330	410		80	120	160	
T6.22x2.8x3.38		410	540		800					
T7x4x4					654					
T7.62x3.18x3.18		420								470
T8x4x4		426	533		800			240		
T8.85x5.25x2		160					62			
T9x5x3		270	340	405	530			150	200	305
T10x5.5x5C		458	573	688			172	258	344	
T10x6x3.1			310		465					
T10x6x4		315			600					
T12.5x7.5x5		400	500	600						
T12.7x7.14x6.35		580	710		1000	1460				
T12.7x7.92x4.7		348	440	530	666					
T12.85x7.35x5		440	559		830					
T13x7x3		300	370						220	
T14x8x7		611	763	916						
T14x9x7		487								

Remark:
1. AL Value Testing Condition : 100kHz, 100mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

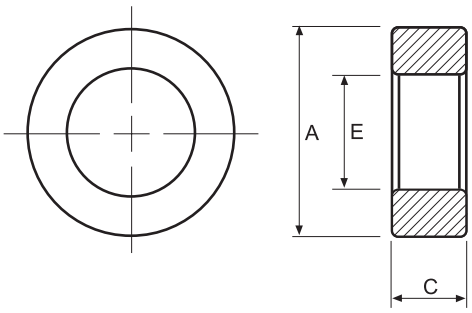
Type : T Cores

Ordering Code:

K081	T18*12*6	C	G□
Material 材質	Core Size 品名	Coating 塗裝	Gapped AL Value

C : Epoxy Coating of Halogen-Free HUC : Epoxy Coating of UL & Halogen-Free
HP : Parylene Coating of Halogen-Free

Shape:



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm) EPOXY COATING DIMENSIONS (mm) A	E	C	EFFECTIVE PARAMETERS C_1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	Wt(g/set)
T16x9x5	16.00 ± 0.40 17.00max	9.50 ± 0.40 8.50min	5.00 ± 0.30 5.90max	2.18	37.18	17.03	633.06	3.50
T16x10x10	16.00 ± 0.30 16..90max	10.00 ± 0.30 9.10min	10.00 ± 0.30 10.10max	1.34	39.37	29.45	1159.14	6.37
T16x12x7	16.00 ± 0.30 16.90max	12.00 ± 0.30 11.10min	7.00 ± 0.30 7.90max	3.12	43.38	13.90	603.17	3.04
T16.25x7.9x14.3	16.25 ± 0.40 17.25max	7.90 ± 0.40 6.90min	14.30 ± 0.30 15.20max	0.61	34.84	57.18	1991.89	11.54
T18x12x6	18.00 ± 0.30 18.90max	11.90 ± 0.20 11.10min	6.00 ± 0.20 6.80max	2.58	45.86	17.76	814.21	4.38
T20x10x7	20.00 ± 0.40 21.00max	10.00 ± 0.40 9.00min	7.00 ± 0.30 7.90max	1.29	43.55	33.63	1464.72	8.25
T20x10x10	20.00 ± 0.40 21.00max	10.00 ± 0.40 9.00min	10.00 ± 0.30 10.90max	0.91	43.55	48.05	2092.46	12.02
T22x14x12.7	22.00 ± 0.40 23.00max	14.00 ± 0.40 13.00min	12.70 ± 0.30 13.60max	1.39	52.29	37.70	1971.31	15.13
T22.1x13.72x6.35	22.10 ± 0.40 23.10max	13.72 ± 0.40 12.72min	6.35 ± 0.30 7.25max	2.08	54.19	26.11	1414.81	7.47
T23x14x7	23.00 ± 0.40 24.00max	14.00 ± 0.40 13.00min	7.00 ± 0.30 7.90max	1.81	55.80	30.86	1722.01	9.05
T24x11x14	24.00 ± 0.50 25.10max	11.00 ± 0.40 10.00min	14.00 ± 0.50 15.10max	0.65	47.91	73.99	3544.62	25.50
T24x18x10	24.00 ± 0.40 25.00max	18.00 ± 0.40 17.00min	10.00 ± 0.30 10.90max	2.18	65.07	29.79	1938.76	9.94
T25x15x13	25.00 ± 0.40 26.00max	15.00 ± 0.40 14.00min	13.00 ± 0.30 13.90max	0.95	60.18	63.60	3827.75	21.00
T28x16x13	28.00 ± 0.50 29.10max	16.00 ± 0.40 15.00min	13.00 ± 0.30 14.00max	0.86	65.64	76.00	4988.00	27.91
T29x19x13.8	29.00 ± 0.50 30.10max	19.00 ± 0.35 18.05min	13.80 ± 0.30 14.70max	1.08	73.20	67.98	4976.02	27.73
T31x19x16	31.00 ± 0.50 32.10max	19.00 ± 0.50 17.90min	16.00 ± 0.40 17.00max	0.80	75.49	94.11	7103.86	38.43
T36x23x15	36.00 ± 0.60 37.20max	23.45 ± 0.50 22.35min	15.00 ± 0.40 16.00max	0.93	89.65	95.89	8595.89	46.06
T37x22x15	37.00 ± 0.60 38.20max	22.00 ± 0.50 20.90min	15.00 ± 0.40 16.00max	0.81	88.63	110.00	9749.34	53.15
T38x19x13	38.10 ± 0.60 39.30max	19.05 ± 0.60 17.85min	13.00 ± 0.30 13.90max	0.70	82.75	118.67	9819.89	56.37
T47x27x15	47.00 ± 0.80 48.40max	27.00 ± 0.60 25.80min	15.00 ± 0.40 16.00max	0.76	110.49	146.22	16156.02	83.89
T49.1x33.8x15.9	49.10 ± 1.00 50.70max	33.80 ± 1.00 32.20min	15.90 ± 0.40 16.90max	1.06	127.24	120.23	15298.45	80.83
T63x38x26	62.80 ± 1.60 65.00max	37.60 ± 1.20 35.80min	26.00 ± 0.60 27.20max	0.48	152.09	318.17	48389.39	262.82

■ ELECTRICAL CHARACTERISTICS

CORES	AL ± 25% (nH/N²)									
	L2	K081	K10	K12	K15	K20	B30	B45	B60	B90
T16x9x5		405	510					250		
T16x10x10		750	940		1400					
T16x12x7		320	400		600					
T16.25x7.9x14.3		1583	1978	2374			593	890	1187	1780
T18x12x6		380	480		720					
T20x10x7		746	970							
T20x10x10		1100	1380		2050					
T22x14x12.7		900	1690							
T22.1x13.72x6.35		480	600		900					
T23x14x7		550	680						408	
T24x11x14		1664	2081	2497			624	963	1248	1873
T24x18x10		450	570					257		
T25x15x13		1040	1320							
T28x16x13		1164	1455		2180					
T29x19x13.8		920	1150							
T31x19x16		1230								
T36x23x15		1057								
T37x22x15					2288					
T38x19x13		1387								
T47x27x15		1297	1660		2500					
T49.1x33.8x15.9			1180		1800					
T63x38x26		1980								

Remark:
1. AL Value Testing Condition : 100kHz, 100mV, 1Ts. If testing condition is different from ACME's, please specify upon request & ordering.
2. Coating Material
   (1) Toroid Size T8 and Below:clear parylene coating, breakdown voltage:1000Vdc, coating thickness : 0.05mm max.
   (2) Toroid Size T9 and Above:green epoxy coating, breakdown voltage:1500Vdc, coating thickness : 0.6mm max.
3. Customized dimensions are available.

Type : RH Cores

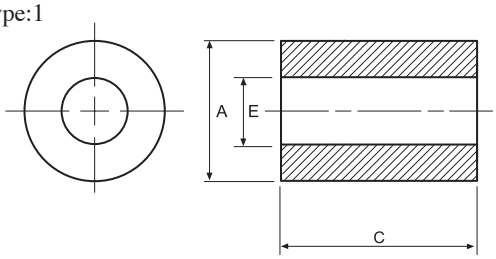
Ordering Code:

K08 RH3*1.2*3.5

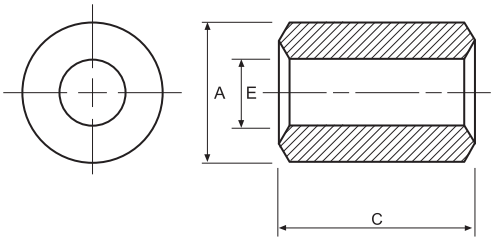
Material 材質 | Core Size 品名

Shape:

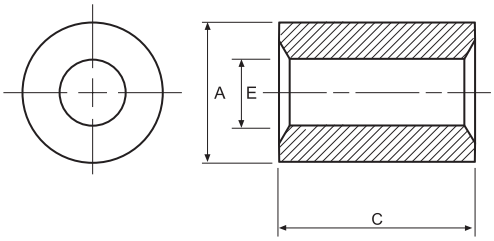
Type:1



Type:2



Type:3



■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm)			Impedance		Type
	A	E	C	25MHz (min)	100MHz (min)	
RH2.03x0.89x2.67	2.03 ± 0.10	2.67 ± 0.25	0.89 ± 0.07	–	–	2
RH3x1.2x3.5	3.00 ± 0.15	1.20 ± 0.15	3.50 ± 0.20	–	–	1
RH3.5x0.9x4.5	3.50 ± 0.20	0.90 ± 0.15	4.50 ± 0.20	–	–	3
RH3.5x1.2x4	3.50 ± 0.20	1.20 ± 0.15	4.00 ± 0.20	26	47	1
RH3.5x1.3x9	3.50 ± 0.15	1.30 ± 0.15	9.00 ± 0.20	–	–	2
RH3.5x1.5x5	3.50 ± 0.15	1.50 ± 0.15	5.00 ± 0.20	–	–	1
RH3.5x1.6x5	3.50 ± 0.20	1.60 ± 0.10	5.00 ± 0.20	23	44	1
RH4x2x6	4.00 ± 0.20	2.00 ± 0.15	6.00 ± 0.30	24	41	2
RH5x1.5x6.35	5.00 ± 0.20	1.50 ± 0.15	6.35 ± 0.25	43	71	2
RH5.8x3.8x10	5.80 ± 0.30	3.80 ± 0.20	10.00 ± 0.30	26	59	2
RH6.35x3.18x15.9	6.35 ± 0.15	3.18 ± 0.20	15.90 ± 0.50	64	115	2
RH7.8x4x12.7	7.80 ± 0.25	4.00 ± 0.20	12.70 ± 0.40	45	100	2
RH9x4.5x10	9.00 ± 0.25	4.50 ± 0.15	10.00 ± 0.70	36	65	2
RH9.52x5.08x19.05	9.52 ± 0.30	5.08 ± 0.20	19.05 ± 0.70	65	117	2
RH10.5x5.5x20	10.50 ± 0.35	5.50 ± 0.20	20.00 ± 0.50	75	140	2
RH12x5.6x30	12.00 ± 0.40	5.60 ± 0.20	30.00 ± 0.70	130	213	2
RH12x6x35	12.00 ± 0.40	6.00 ± 0.40	35.00 ± 1.20	–	–	2
RH12.6x9.6x15.8	12.60 ± 0.50	9.60 ± 0.40	15.80 ± 0.60	–	–	2
RH12.7x7.92x12.7	12.70 ± 0.40	7.92 ± 0.25	12.70 ± 0.40	35	75	2
RH12.7x8.55x35	$12.70^{+0.30}_{-0.50}$	8.55 ± 0.30	35.00 ± 0.50	–	–	2
RH14.27x6.35x28.57	14.27 ± 0.40	6.35 ± 0.20	28.57 ± 0.70	120	200	2
RH15.88x7.87x28.57	15.88 ± 0.50	7.87 ± 0.25	28.57 ± 0.70	110	192	2
RH16x9x28	16.00 ± 0.50	9.00 ± 0.30	28.00 ± 0.70	100	160	2
RH17.42x9.52x28.57	17.42 ± 0.50	9.52 ± 0.30	28.57 ± 0.70	94	155	2
RH18.5x10x28.57	18.50 ± 0.50	10.00 ± 0.30	28.57 ± 0.70	100	175	2
RH26x13x28.57	26.00 ± 0.50	13.00 ± 0.30	28.57 ± 0.80	113	193	2

Remark: Customized dimensions are available.

ACME Electronics (Guangzhou) Co., Ltd., Guangdong province, China

ACME Electronics (Kunshan) Co., Ltd., Jiang-Su Province, China

Our Commitment

- Emphasis on Customer Service
- Emphasis on Manufacturing Quality
- Emphasis on Competitive Pricing
- Emphasis on Timely Deliveries
- Mutual Beneficial Customer Partnerships
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