

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.