

Material Characteristics (12)

	Symbol	Unit	Measuring Conditions			EMI Filter Material
			Freq.	Flux den.	Temp.	N5
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	2000 \pm 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.