

	Symbol	Unit	Measuring Conditions			High μ Wide Temperature Material A044
			Freq.	Flux den.	Temp.	
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	4000 $\pm$ 25%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 8
			100kHz		25°C	< 40
Saturation Flux Density	B_s	mT	10kHz	$H = 1200\text{A/m}$	25°C	450
					100°C	315
Remanence	B_r	mT	10kHz	$H = 1200\text{A/m}$	25°C	55
					100°C	45
Temperature Factor of Permeability	α_μ	$10^{-6}/^\circ\text{C}$	10kHz	< 0.25 mT	0 ~ 20°C	-1 ~ 1
					20 ~ 70°C	-1 ~ 1
Hysteresis Material Constant	η_B	$10^{-6}/\text{mT}$	10kHz	1.5-3.0mT	25°C	< 0.5
Disaccommodation Factor	D_F	10^{-6}	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	T_c	$^\circ\text{C}$				≥ 170
Resistivity	ρ	Ωm				1.00
Density	d	g/cm^3				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.

