

	Symbol	Unit	Measuring Conditions			High μ & Tc For Automotives Material A104
			Freq.	Flux den.	Temp.	
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	10000 $\pm$ 30%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	$< 0.25\text{mT}$	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 Permeability	α_μ	$10^{-6}/^\circ\text{C}$	10kHz	$< 0.25\text{ mT}$	0 ~ 20°C	1 ~ 3
					20 ~ 70°C	-1.5 ~ 0
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	$< 0.25\text{ mT}$	25°C	< 2
Curie Temperature	T _c	°C				≥ 155
Resistivity	ρ	Ωm				0.15
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.

