

	Symbol	Unit	Measuring Conditions			Wide Temperature RFID Material
			Freq.	Flux den.	Temp.	F52
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	410 $\pm$ 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	325
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	140
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	90
Relative Loss Factor	$\tan\delta/\mu_i$	10 ⁻⁶	0.1MHz	< 0.25mT	25°C	50
Temperature Factor of Permeability	α_F	10 ⁻⁶ /°C	10kHz	< 0.25mT	20 ~ 60°C	-3 ~ -1
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.

