

Material Characteristics



Low Power Loss	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	TL40
Initial permeability	μ_i		796kHz;150mV	23°C	340±25%
Saturation flux density	Bs	mT	H=4000A/m	23°C	450
				100°C	360
Relative temp factor	$\alpha_{\mu i}$	×10-6	100kHz	20~60°C	15~25
Coercive force	Hc	A/m	H=4000A/m	23°C	40
Core loss volume density	Pcv	kW/m3	50kHz;150mT	20°C	800
				140°C	600
Relative loss factor	$\tan \delta / \mu_i$	×10-6	100kHz		30
Curie temperature	Tc	°C	100kHz		> 260
Electrical resistivity	ρ	Ω / m			10^{-6}
Density	ds	g/cm3			5.2

