

Material Characteristics

High Frequency	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	V3F
Initial permeability	μ_i		796kHz;150mV	23°C	25±25%
Saturation flux density	Bs	mT	H=4000A/m	23°C	210
				100°C	
Relative temp factor	$\alpha_{\mu i \gamma}$	$\times 10^{-6}$	100kHz	20~60°C	5~30
Coercive force	Hc	A/m	H=4000A/m	23°C	800
Core loss volume density	Pcv	kW/m3	50kHz;150mT	20°C	
				140°C	
Relative loss factor	$\tan \delta / \mu_i$	$\times 10^{-6}$	10MHz		1000
Curie temperature	Tc	°C	100kHz		240
Electrical resistivity	ρ	Ω / m			10^{-6}
Density	ds	g/cm3			4.9

