

Material Characteristics



High Bm	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	
Initial permeability	μ_i		796kHz150mV	23°C	T12S 440±25%
Saturation flux density	Bs	mT	H=4000A/m	23°C	440
				100°C	340
Relative temp factor	α_{μ_i}	$\times 10^{-6}$	100kHz	20~60°C	10~20
Coercive force	Hc	A/m	H=4000A/m	23°C	40
Core loss volume density	Pcv	kW/m3	50kHz150mT	20°C	850
				140°C	650
Relative loss factor	$\tan \delta / \mu_i$	$\times 10^{-6}$	100kHz		20
Curie temperature	Tc	°C	100kHz		> 260
Electrical resistivity	ρ	Ω / m			10^{-6}
Density	ds	g/cm3			5.2

