

Material Characteristics



Stress Resistance	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	TS80
Initial permeability	μ_i		796kHz;150mV	23°C	800±25%
Saturation flux density	B_s	mT	H=4000A/m	23°C	350
				100°C	
Relative temp factor	$\alpha_{\mu i y}$	$\times 10^{-6}$	100kHz	20~60°C	1~10
Coercive force	H_c	A/m	H=4000A/m	23°C	56
Core loss volume density	P_{cv}	kW/m3	50kHz;150mT	20°C	900
				140°C	100
Relative loss factor	$\tan \delta / \mu_i$	$\times 10^{-6}$	100kHz		20
Curie temperature	T_c	°C	100kHz		150
Electrical resistivity	ρ	Ω / m			10^{-6}
Density	ds	g/cm3			5.2

