

Material characteristics



Characteristics	Symbol	Unit	seettings	Temp.	MSB40
Initial permeability	μ_i	μ_i	1MHz,1V	25°C	40± 10
Saturation magnetic flux density	Bs	T	H=20000 (A/m)	25°C	>1.0
Core loss volume density Pcv	Pcv	mW/cm ³	f=500KHz 30mT	25°C	350
Relative temperature coefficient	$\alpha_{\mu r}$	10 ⁻⁶		-20 ~ 60°C	8 ~ 18
Curie temperature	Tc	°C			700
Electrical resistivity	ρ	M Ω	25V	25°C	>1
Density	ds	g/cm ³		25°C	6.4

