

Material Characteristics



Lead Free Adjustment	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	HQ1-F
Initial permeability	μ_i		796kHz;150mV	23°C	250±25%
Saturation flux density	B_s	mT	H=4000A/m	23°C	350
				100°C	
Relative temp factor	$\alpha_{\mu i y}$	×10-6	100kHz	20~60°C	18~30
Coercive force	H_c	A/m	H=4000A/m	23°C	80
Core loss volume density	P_{cv}	kW/m3	50kHz;150mT	20°C	
				140°C	
Relative loss factor	$\tan \delta / \mu_i$	×10-6	2MHz		55
Curie temperature	T_c	°C	100kHz		200
Electrical resistivity	ρ	Ω / m			10^{-6}
Density	ds	g/cm3			5.1

