

Material Characteristics

ITEM	SYMBOL	UNIT	CONDITIONS		Material
			settings	Temp.	KL9F
Initial permeability	μ_i		100kHz;26mV	20°C	900±25%
Saturation magnetic flux density	Bs	mT	H=1000A/m	20°C	525
				100°C	440
Core loss volume density	Pcv	kW/m ³	1MHz;50mT	20°C	130
				100°C	130
			3MHz;10mT	20°C	40
				100°C	60
			3MHz;30mT	20°C	550
				100°C	600
Relative loss factor	$\tan\delta/\mu_i$	$\times 10^{-6}$			7.5
Curie temperature	Tc	°C			> 260
Electrical resistivity	ρ	$\Omega\cdot m$			20
Density	ds	g/cm ³			4.80

