

## SH44 Material Characteristics

Characteristics	Symbol	Unit		SH44
Initial permeability	$\mu_i$			2400±25%
Saturation flux density	Bs	mT	25°C	510
			100°C	390
				(1194A/m)
Remanence	Br	mT		110
Coercivity	Hc	A/m		13
Power loss (f=16KHz,B=150mT)	Pc	mW/cm <sup>3</sup>	25°C	
			60°C	
			80°C	
			100°C	
Power loss (f=25KHz,b=200mT)	Pc	mW/cm <sup>3</sup>	25°C	90
			60°C	60
			80°C	
			100°C	55
Power loss (f=100KHz,B=200mT)	Pc	mW/cm <sup>3</sup>	25°C	600
			60°C	400
			80°C	350
			100°C	300
Power loss (f=500KHz,B=50mT)	Pc	mW/cm <sup>3</sup>	25°C	
			60°C	
			80°C	
			100°C	
Curie temperature	Tc	°C		>230
Resistivity	$\rho$	$\Omega\text{m}$		3
Density	d	kg/m <sup>3</sup> x10 <sup>3</sup>		4.8



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