



# MnZn Power Ferrite Material

## Material Characteristics

Material name			<b>Manganese Zinc Ferrite</b>
Material grade			<b>SM014</b>
Initial Permeability	$\mu_i$		<b>1400±25%</b>
Saturation Flux Density (Bs) (H = 1194 A/m)	25°C 100°C	mT	<b>470 380</b>
Residual Flux Density (Br)	25°C 100°C	mT	<b>140 98</b>
Coercive Force (Hc)	25°C 100°C	A/m	<b>36.5 27.2</b>
Power Loss (Pv) <i>Tested 500KHz, 50mT</i>	25°C 60°C 100°C	kW/m <sup>3</sup>	<b>130 80 80</b>
Curie Temperature (Tc)		°C	<b>&gt;240</b>
Density		g/cm <sup>3</sup>	<b>4.8</b>

Dare is derived from measurements on a ring core of T25x15x8.





## SM014 Performance graphs

