

## Technical Data Sheet RoHS Compliant Product

### SFP97 Characteristics, MnZn

#### Material Characteristics:

Material Properties	Symbol	Unit	Measuring Conditions			SFP97
			Freq.	Flux den.	Temp.	
Initial Permeability	$\mu_i$		$\leq 10\text{kHz}$	0.25mT	25°C	<b>2500±25%</b>
Power Loss	Pv	kW/m <sup>3</sup>	25kHz	200mT	25 °C	125
					100°C	50
			100kHz	200mT	25 °C	600
					100°C	250
			300kHz	100mT	25 °C	820
					100°C	500
500kHz	50mT	25 °C	400			
		100°C	300			
Saturation Flux Density	Bms	mT	10KHz	H=1200A/m	25°C	530
					100°C	420
Remanence	Brms	mT	10KHz	H=1200A/m	25°C	180
					100°C	60
Coercivity	Hc	A/m	10kHz	H=1200A/m	25°C	13
					100°C	6
Hysteresis Material Constant	$\eta_B$	10 <sup>-6</sup> /mT	10KHz	1.5-3.0mT	25°C	<1
Disaccommodation Factor	D <sub>F</sub>	10 <sup>-6</sup>	10KHz	< 0.25mT	25°C	<2.0
Curie Temperature	T <sub>c</sub>	°C				>230
Resistivity	$\rho$	$\Omega\text{m}$				4
Density	d	g/cm <sup>3</sup>				4.9

Note: Material characteristics are typical for a toroid core.  
Product specification will differ from these data due to the influence of geometry and size.

