

Technical Data Sheet RoHS Compliant Product SFP92 Characteristics, MnZn

Material Characteristics:

Material Properties	Symbol	Unit	Measuring Conditions			SFP92
			Freq.	Flux den.	Temp.	
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	1700 \pm 25%
Power Loss	Pv	kW/m ³	25kHz	200mT	25 °C	-
					100°C	-
			100kHz	200mT	25 °C	750
					100°C	400
			300kHz	100mT	25 °C	-
					100°C	-
500kHz	50mT	25 °C	450			
		100°C	230			
Saturation Flux Density	Bms	mT	10KHz	H=1200A/m	25°C	540
					100°C	460
Remanence	Brms	mT	10KHz	H=1200A/m	25°C	280
					100°C	50
Coercivity	Hc	A/m	10kHz	H=1200A/m	25°C	14
					100°C	8
Relative Loss Factor	tan δ / μ_i	10 ⁻⁶	10KHz	<0.25mT	25°C	-
			100kHz		25°C	-
Hysteresis Material Constant	η_B	10 ⁻⁶ /mT	10KHz	1.5-3.0mT	25°C	<1.0
Disaccommodation Factor	D _F	10 ⁻⁶	10KHz	< 0.25mT	25°C	<2.0
Curie Temperature	T _c	°C	-	-	-	≥ 280
Resistivity	ρ	Ωm	-	-	-	3
Density	d	g/cm ³	-	-	-	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.

