

Technical Data Sheet RoHS Compliant Product SFP95 Characteristics, MnZn

Material Characteristics:

Material Properties	Symbol	Unit	Measuring Conditions			SFP95
			Freq.	Flux den.	Temp.	
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	3300 \pm 25%
Power Loss	Pv	kW/m ³	25kHz	200mT	25 °C	-
					100°C	-
			100kHz	200mT	25 °C	350
					100°C	300
			300kHz	100mT	25 °C	440
					100°C	400
500kHz	50mT	25 °C	-			
		100°C	250			
Saturation Flux Density	Bms	mT	10KHz	H=1200A/m	25°C	530
					100°C	410
Remanence	Brms	mT	10KHz	H=1200A/m	25°C	85
					100°C	60
Coercivity	Hc	A/m	10kHz	H=1200A/m	25°C	9.5
					100°C	6.5
Hysteresis Material Constant	ηB	10 ⁻⁶ /mT	10KHz	1.5-3.0mT	25°C	<0.6
Disaccommodation Factor	D _F	10 ⁻⁶	10KHz	< 0.25mT	25°C	<1
Curie Temperature	T _c	°C				≥ 215
Resistivity	ρ	Ωm				6
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.

