Speedofer

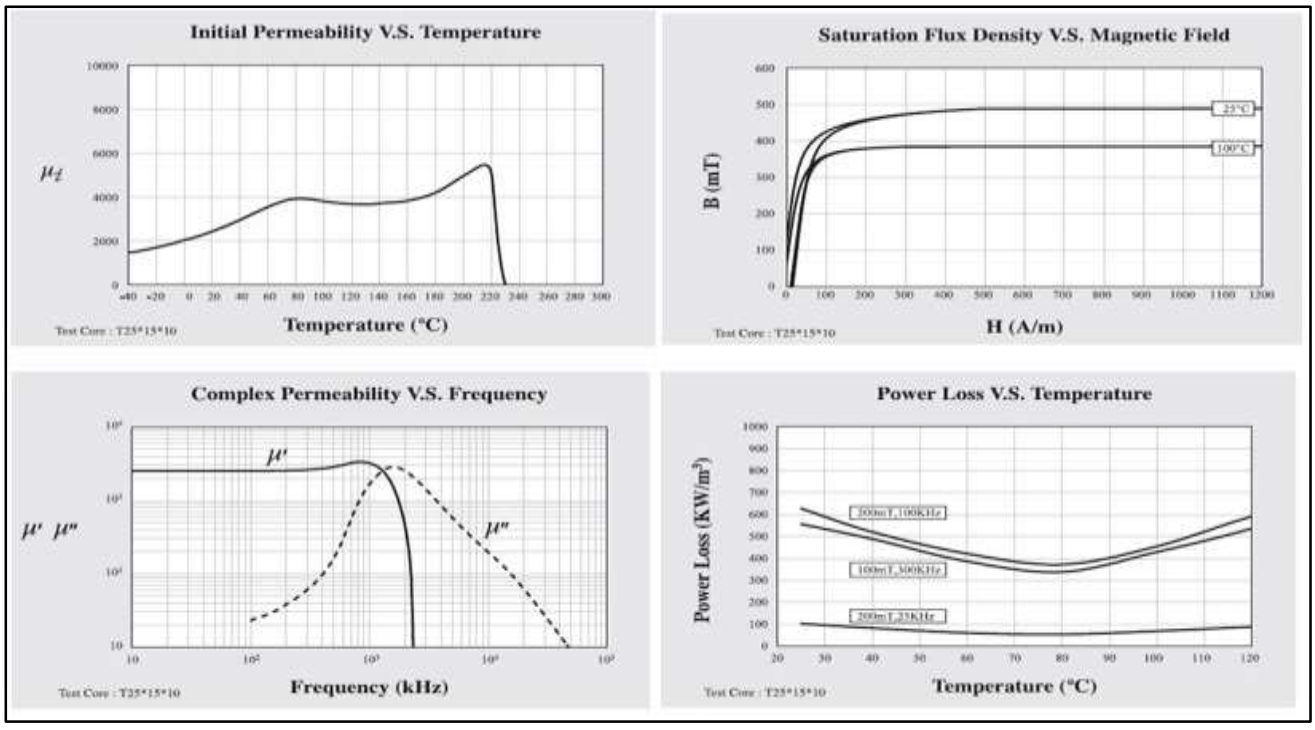
Technical Data Sheet RoHS Compliant Product

SFP4 Characteristics, MnZn

Material Characteristics:

Material Properties	Symbol	Unit	Measuring Conditions			SFP4
			Freq.	Flux den.	Temp.	
Initial Permeability	μi		≤10kHz	0.25mT	25°C	**2300±25%**
Power Loss	Pv	kW/m^3	25kHz	200mT	25 °C	105
					100°C	55
			100kHz	200mT	25 °C	600
					100°C	410
			300kHz	100mT	25 °C	660
					100°C	430
			500kHz	50mT	25 °C	380
					100°C	330
Saturation Flux Density	Bms	mT	10KHz	H=1200A/m	25°C	490
					100°C	390
Remanence	Brms	mT	10KHz	H=1200A/m	25°C	95
					100°C	55
Coercivity	Hc	A/m	10kHz	H=1200A/m	25°C	14
					100°C	8.8
Hysteresis Material Constant	ηB	10^{-6}/mT	10KHz	1.5-3.0mT	25°C	<1.2
Disaccommodation Factor	D_F	10^{-6}	10KHz	< 0.25mT	25°C	<2.0
Curie Temperature	Tc	°C				≥220
Resistivity	ρ	Ωm				6.5
Density	d	g/cm^3				4.8

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



Speedofer Components Pvt. Ltd.,
Plot No: 101 & 102, Toy City, Ecotech – III, Greater Noida – 201306, Uttar Pradesh, India. Email: info@speedofer.com URL:www.speedofer.com