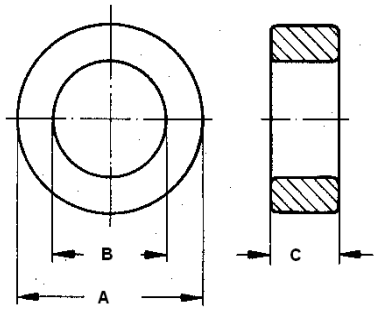
Speedofer Components Pvt. Ltd.

Technical Data Sheet RoHS Compliant Product

T25/15/12 Uncoated, SFP42, MnZn

Customer Name & Address	
Date of Approval	
Name & Position Title of Approval Authority	
Stamp with Signature	

Product Specifications:

Parameters		Symbol	Unit	Value	Geometry Drawing Reference
Magnetic Characteristics	Effective Length	l_e	mm	62.83	
	Effective Area	A_e	mm^2	60.00	
	Effective Volume	V_e	mm^3	3769.91	
Dimensions	A	-	mm	25.0 ± 0.4	
	B	-	mm	15.0 ± 0.4	
	C	-	mm	12.0 ± 0.3	
Approx. Weight/Set	Weight	W	gm	17.95	
Test Conditions	Frequency	f	kHz	10	**AL Value in nH**
	Voltage	V	mV	50	2160nH ± 25% (1620 ~ 2700)
	No of Turns	N	Numbers	1	
	Measuring Temperature	T	°C	25 ± 3	

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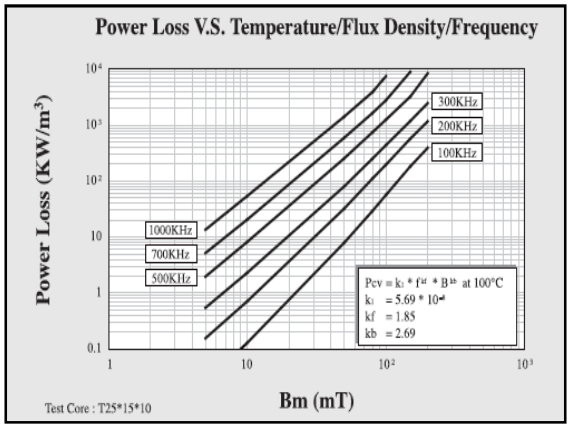
Material Characteristics:

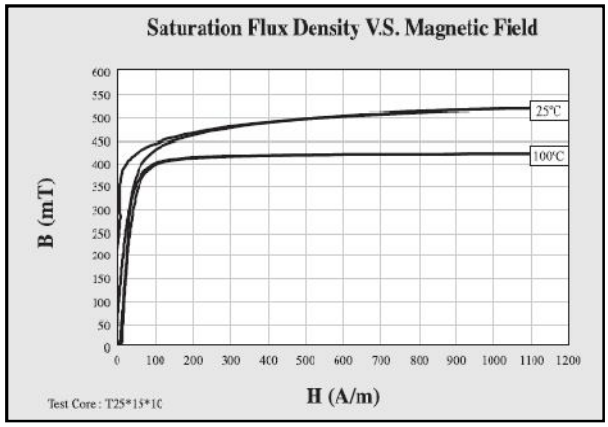
Base Metal	MnZn		Measuring Condition			Material Grade	SFP42
Parameter	**Symbol**	**Unit**	**Frequency**	**Flux Density**	**Temp.**	**Values**	
Initial Permeability	μi		≤10kHz	0.25mT	25°C	1800 ± 25%	
Power Loss	Pv	KW/m^3	25kHz	200mT	25°C	125	
					100°C	50	
Saturation Flux Density	Bs	mT	10kHz	H=1200A/m	25°C	520	
					100°C	420	
Remanence	Br	mT	10kHz	H=1200A/m	25°C	200	
					100°C	70	
Hysteresis Material Constant	ηB	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	<1.0	
Curie Temperature	Tc	°C	-	-	-	240	
Resistivity	ρ	Ωm	-	-	-	8.0	
Density	d	g/cm^3	-	-	-	4.90	

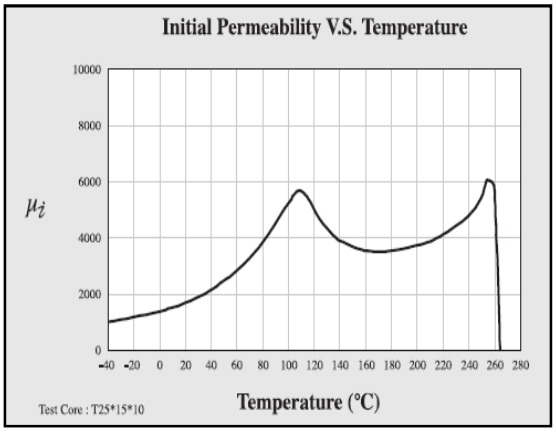
Inspection Criteria: IEC 60424, Guide on the limits of Surface Irregularities
Mechanical Strength: IEC 61631 Compliant
Compliant: RoHS & REACh

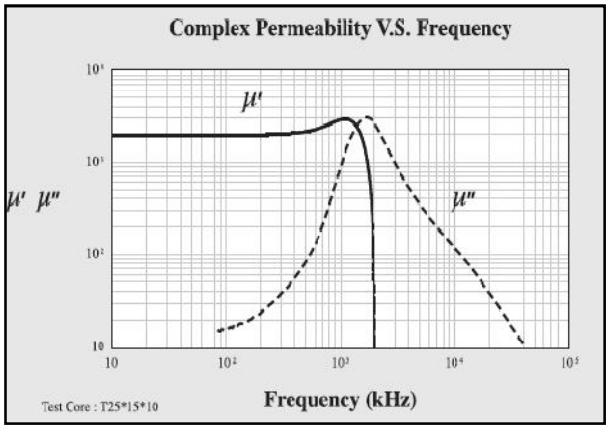
Note: Material characteristics are typical for a toroid core. Product specification will differ from these data due to the influence of geometry and size.

Graphical Input:









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