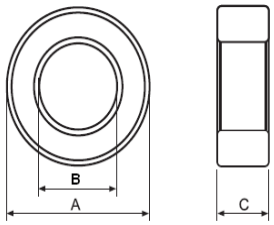
Speedofer Components Pvt. Ltd.

Technical Data Sheet RoHS Compliant Product

T140/106/25 Coated, SFA07, MnZn

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

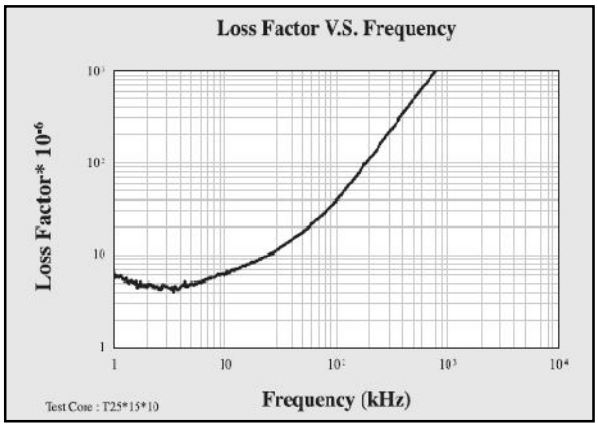
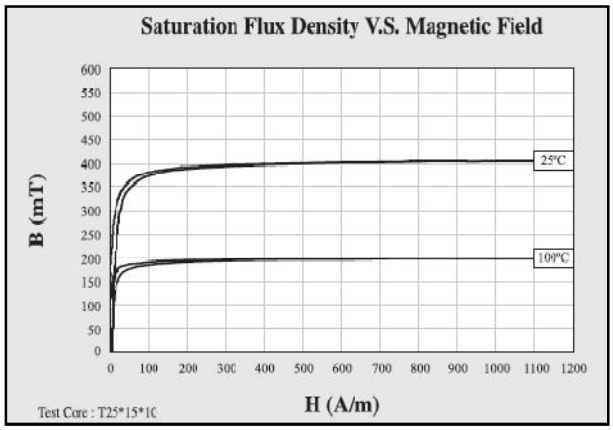
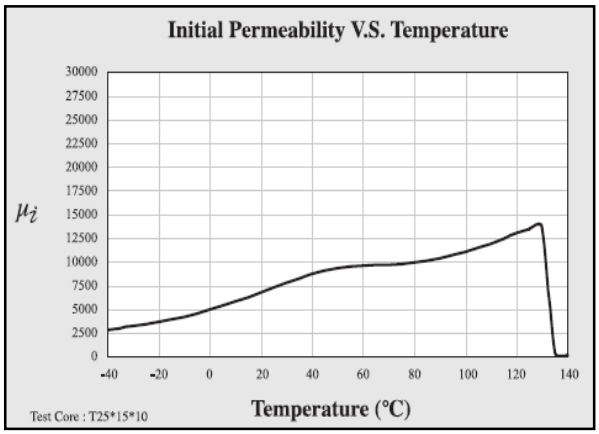
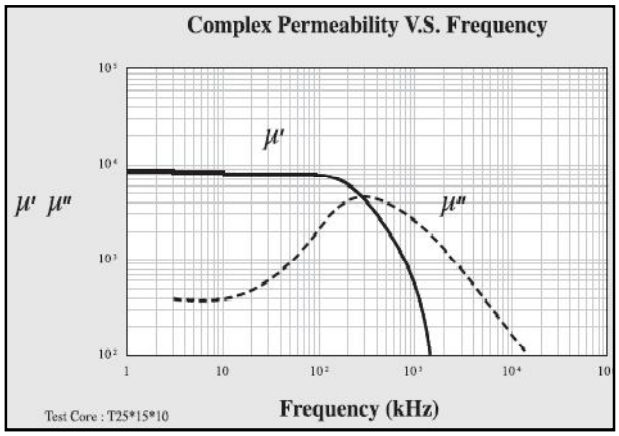
Product Specifications:

Parameters		**Symbol**	**Unit**	**Value**	**Geometry Drawing Reference**
Magnetic Characteristics	Effective Length	l_e	mm	381.5	
	Effective Area	A_e	mm^2	422.3	
	Effective Volume	V_e	mm^3	161086	
Dimensions	A	-	mm	143.80 max	
	B	-	mm	103.2 min	
	C	-	mm	26.8 max	
Approx. Weight/Set	Weight	W	gm	805	
Test Conditions	Frequency	f	kHz	10	**AL Value in nH**
	Voltage	V	mV	1000	10000nH ± 25% (7500 ~ 12500)
	No of Turns	N	Numbers	1	
	Measuring Temperature	T	°C	25 ± 3	

Material Characteristics:

Base Metal	MnZn		Measuring Condition			Material Grade	SFA07
Parameter	**Symbol**	**Unit**	**Frequency**	**Flux Density**	**Temp.**	**Values**	
Initial Permeability	μi		≤10kHz	0.25mT	25°C	7000 ± 25%	
Relative Loss Factor	Tanδ/ui	10^{-6}	10kHz	<0.25mT	25°C	<8.0	
Saturation Flux Density	Bs	mT	10kHz	H=1200A/m	25°C	400	
					100°C	200	
Remanence	Br	mT	10kHz	H=1200A/m	25°C	150	
					100°C	110	
Hysteresis Material Constant	ηB	10^{-6}/mT	10kHz	1.5-3.0mT	25°C	<1.2	
Curie Temperature	Tc	°C	-	-	-	130	
Resistivity	ρ	Ωm	-	-	-	0.35	
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: