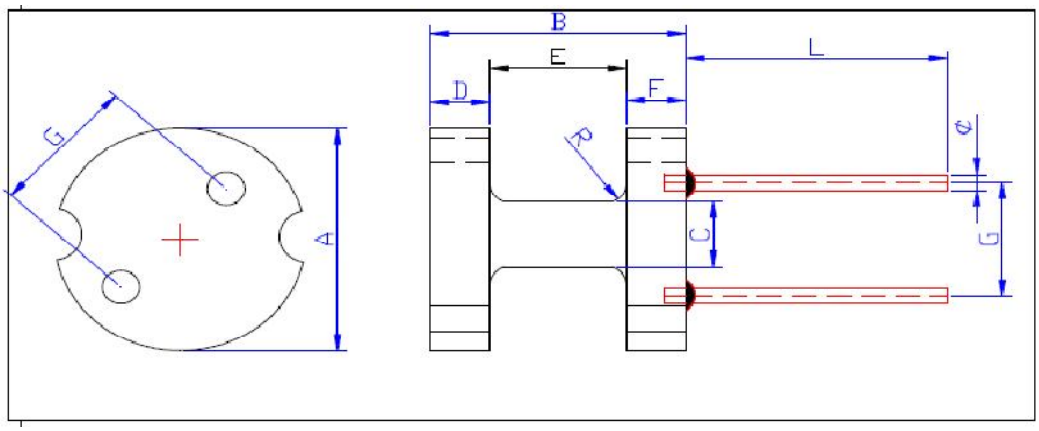
Technical Data Sheet RoHS Compliant Product

DR6X8 Cores, With Pin & With Cut, SFP40T, MnZn

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

Product Specifications:

	Parameter	Symbol	Unit	Value	
Dimensions	A	-	mm	6.0 ± 0.25	
	B	-	mm	8.3 ± 0.30	
	C	-	mm	2.5 ± 0.20	
	D	-	mm	2.0 ± 0.15	
	E	-	mm	4.3 ± 0.20	
	F	-	mm	2.0 ± 0.15	
	G	-	mm	3.0 ± 0.30	
	L	-	mm	10.5 ± 0.5	
	Φ	-	mm	0.6 ± 0.05	
	R	-	mm	0.2	
Appx. Weight/Piece	Weight	W	gm	0.65	
Test Conditions	Frequency	f	kHz	1	**Inductance (L) Value in mH**
	Voltage	V	mV	250	1.0mH ± 15% (0.85 ~ 1.15)
	No of Turns	N	Numbers	195	
	Measuring Temperature	T	°C	25 ± 3	

Geometry Drawing Reference	

Material Characteristics:

Base Metal	**MnZn**		**Measuring Condition**			**Material Grade**	**SFP40T**
Parameter	**Symbol**	**Unit**	**Frequency**	**Flux Density**	**Temp.**	**Values**	
Initial Permeability	µi		≤10kHz	0.25mT	25°C	800 ± 20%	
Saturation Flux Density	Bs	mT	10kHz	H=1200A/m	25°C 100°C	≥2400	
Remanence	Br	mT	10kHz	H=1200A/m	25°C 100°C	-	
Coercivity	Hc	A/m	10kHz	H=1200A/m	25°C	<1.5	
Curie Temperature	Tc	°C	-	-	-	≥170	
Resistivity	ρ	MΩ	-	-	-	≥1000	
Density	d	g/cm^3	-	-	-	4.74	

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.