



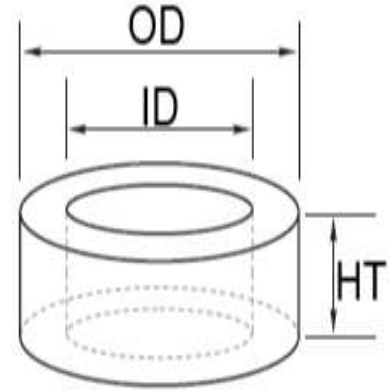
Specification of Magnetic Powder Core

Mirrack
 www.mirrack.com(CN)
 www.mirrack.com.cn (EN)

Part Number	Product Series	Permeability (u)	A_L (nH/N ²)	Coating Color	Coating Material	Coating Breakdown Voltage
MKS270-090	MKS	90	113±8%	Black	Epoxy	1.2KVac / 0.5mA / 3sec
Description	Toroidal Sendust Core					

Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	1.060	26.90	1.090	27.70	Max
ID	0.580	14.70	0.555	14.10	Min
HT	0.440	11.20	0.472	11.99	Max



Physical Characteristics & Packaging

Path Length Le (cm)	Cross Section Ae (cm ²)	Core Volume Ve (cm ³)	Window Area Wa (cm ²)	Weight (g)	Box QTY (pcs)
6.350	0.654	4.150	1.560	26.5±5%	576

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅0.5mm, 50TS, 100KHz, 1.0V, 0A	282.5uH±8%
DC-Bias	∅0.5 mm, 50TS, 100KHz, 1.0V, $I_{DC(100Oe)} = 10.16$ A	27% Min
Core Loss	∅0.5mm, 50TS, 50KHz, 1000Gauss	300mW/cm ³ Max
Hi-Pot	1.2KVac, 0.5mA, 3 sec	PASS

DC Bias Curves

