



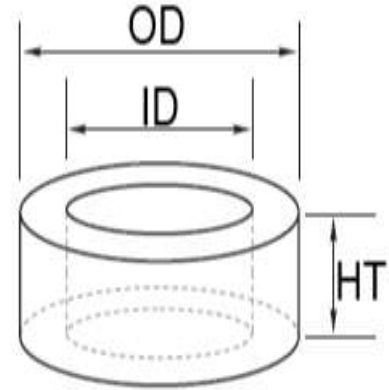
Specification of Magnetic Powder Core

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
MKS508-090	MKS	90	109±8%	Black	Epoxy	1.5KVac / 0.5mA / 3sec
Description	Toroidal Sendust Core					

Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	2.000	50.80	2.035	51.69	Max
ID	1.250	31.80	1.218	30.94	Min
HT	0.530	13.50	0.565	14.35	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)
12.73	1.251	15.93	7.5	97.5±5%	120

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	272.5uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, $I_{DC(100Oe)} = 20.27$ A	27% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	300mW/cm ³ Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

DC Bias Curves

