



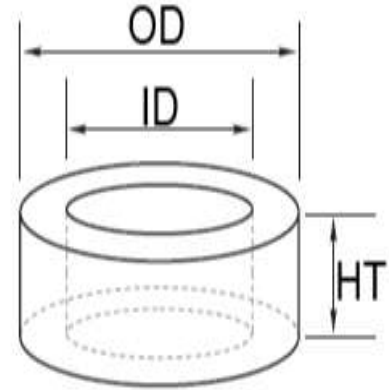
Specification of Magnetic Powder Core

Mirrack
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Part Number	Product Series	Permeability (u)	A_L (nH/N ²)	Coating Color	Coating Material	Coating Breakdown Voltage
MKS166-125	MKS	125	72±8%	Black	Epoxy	800Vac / 0.5mA / 3sec
Description	Toroidal Sendust Core					

Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	0.650	16.50	0.680	17.40	Max
ID	0.400	10.20	0.375	9.53	Min
HT	0.250	6.35	0.286	7.11	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)
4.110	0.192	0.789	0.713	5.4±5%	4000

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅0.5mm, 50TS, 100KHz, 1.0V, 0A	180uH±8%
DC-Bias	∅0.5 mm, 50TS, 100KHz, 1.0V, $I_{DC(100\text{Oe})} = 6.576\text{ A}$	18% Min
Core Loss	∅0.5mm, 50TS, 50KHz, 1000Gauss	250mW/cm ³ Max
Hi-Pot	800Vac, 0.5mA, 3 sec	PASS

DC Bias Curves

