



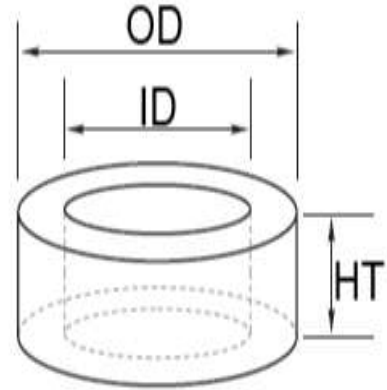
## Specification of Magnetic Powder Core

Mirrack  
[www.mirrack.com\(CN\)](http://www.mirrack.com(CN))  
[www.mirrack.com.cn\(EN\)](http://www.mirrack.com.cn(EN))

Part Number	Product Series	Permeability (u)	$A_L$ (nH/N <sup>2</sup> )	Coating Color	Coating Material	Coating Breakdown Voltage
MKS467-090	MKS	90	202±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	1.840	46.70	1.875	47.63	Max
ID	0.950	24.10	0.918	23.32	Min
HT	0.710	18.00	0.745	18.92	Max



### Physical Characteristics & Packaging

Path Length Le (cm)	Cross Section Ae (cm <sup>2</sup> )	Core Volume Ve (cm <sup>3</sup> )	Window Area Wa (cm <sup>2</sup> )	Weight (g)	Box QTY (pcs)
10.74	1.99	21.30	4.27	129.5±5%	125

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	505uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, $I_{DC(100 Oe)} = 17.18$ A	27% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	300mW/cm <sup>3</sup> Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

