



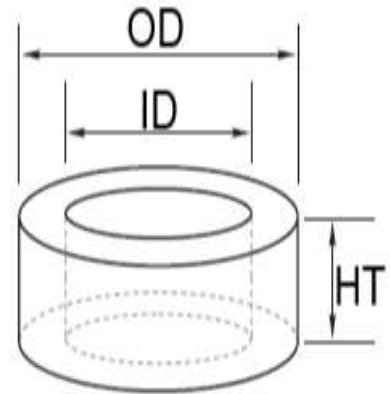
## Specification of Magnetic Powder Core

Mirrack  
www.mirrack.com(CN)  
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Part Number	Product Series	Permeability (u)	$A_L$ (nH/N <sup>2</sup> )	Coating Color	Coating Material	Coating Breakdown Voltage
MKS778-125	MKS	125	178 ± 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	3.063	77.80	3.108	78.90	Max
ID	1.938	49.20	1.898	48.20	Min
HT	0.625	15.90	0.670	17.02	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)
19.95	2.27	45.30	17.99	280±5%	64

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	445uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, $I_{DC(100 Oe)} = 31.84$ A	18% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	250mW/cm <sup>3</sup> Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

