



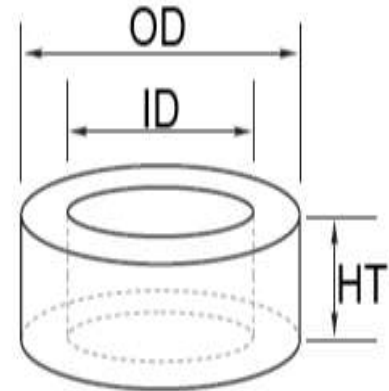
## Specification of Magnetic Powder Core

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

Part Number	Product Series	Permeability (u)	A <sub>L</sub> (nH/N <sup>2</sup> )	Coating Color	Coating Material	Coating Breakdown Voltage
MKF1016-075	MKF	75	137±8%	Blue	Epoxy	1.5KVac / 0.5mA /3sec
Description	Toroidal Si-Fe Core					

### Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	4.000	101.60	4.050	103.12	Max
ID	2.250	57.15	2.195	55.75	Min
HT	0.650	16.51	0.700	17.78	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)
24.271	3.523	85.495	24.413	547±5%	32

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	342.5uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 38.64 A	55%Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	520mW/cm <sup>3</sup> Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

