



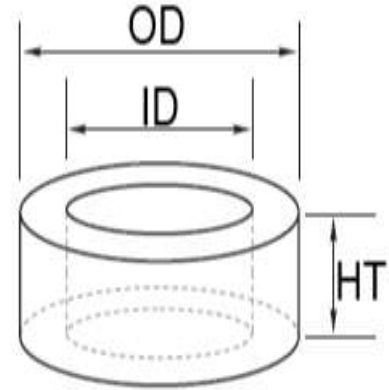
## Specification of Magnetic Powder Core

Mirrack  
www.mirrack.com(CN)  
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Part Number	Product Series	Permeability (u)	A <sub>L</sub> (nH/N <sup>2</sup> )	Coating Color	Coating Material	Coating Breakdown Voltage
MKF468-090	MKF	90	128±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	1.840	46.70	1.875	47.63	Max
ID	1.130	28.70	1.098	27.89	Min
HT	0.600	15.20	0.635	16.13	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)
11.63	1.34	15.53	6.11	104.5 ± 5%	125

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	320uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 18.51 A	45%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

