



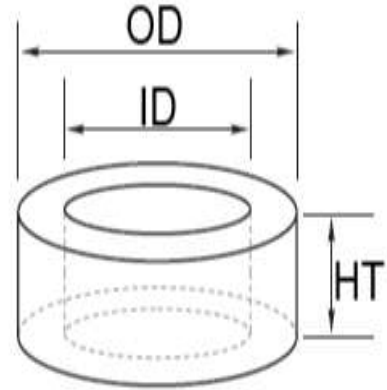
## Specification of Magnetic Powder Core

Mirrack  
[www.mirrack.com\(CN\)](http://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
MKU330-075	MKU	75	76±8%	Brown	Epoxy	1.2KVac / 0.5mA / 3sec
Description		Toroidal MKU Core				

### Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	1.300	33.00	1.332	33.83	Max
ID	0.785	19.90	0.760	19.30	Min
HT	0.420	10.70	0.457	11.61	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)
8.150	0.672	5.480	2.930	34.5±5%	441

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	190uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 13.04 A	48% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	270mW/cm <sup>3</sup> Max
Hi-Pot	1.2KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

