



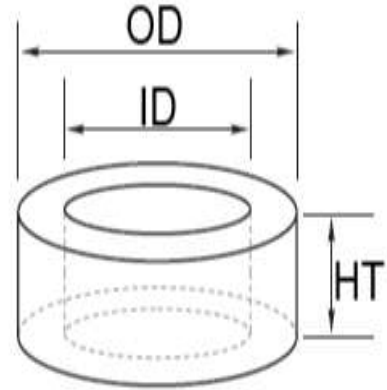
## Specification of Magnetic Powder Core

Mirrack  
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Part Number	Product Series	Permeability (u)	$A_L$ (nH/N <sup>2</sup> )	Coating Color	Coating Material	Coating Breakdown Voltage
MKU270-075	MKU	75	94 ± 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	1.060	26.90	1.090	27.70	Max
ID	0.580	14.70	0.555	14.10	Min
HT	0.440	11.20	0.472	11.99	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)
6.350	0.654	4.150	1.560	28.5 ± 5%	576

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅0.5mm, 50TS, 100KHz, 1.0V, 0A	235uH±8%
DC-Bias	∅0.5mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 10.16 A	48% Min
Core Loss	∅0.5mm, 50TS, 50KHz, 1000Gauss	270mW/cm <sup>3</sup> Max
Hi-Pot	1.2KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

