



## Specification of Magnetic Powder Core

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Part Number	Product Series	Permeability (u)	$A_L$ (nH/N <sup>2</sup> )	Coating Color	Coating Material	Coating Breakdown Voltage
MKU610-075	MKU	75	240±8%	Brown	Epoxy	1.5KVac / 0.5mA / 3sec
Description	Toroidal MKU Core					

### Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	2.441	62.00	2.484	63.10	Max
ID	1.283	32.60	1.235	31.37	Min
HT	0.984	25.00	1.034	26.27	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)
14.370	3.675	52.810	7.730	330±5%	64

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	600uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 22.88 A	48% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	270mW/cm <sup>3</sup> Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

