



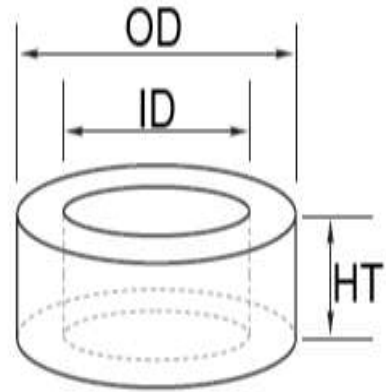
Specification of Magnetic Powder Core

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

Part Number	Product Series	Permeability (u)	A_L (nH/N ²)	Coating Color	Coating Material	Coating Breakdown Voltage
MKU270H-075	MKU	75	$75 \pm 8\%$	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	0.340	8.64	0.372	9.45	Max



Physical Characteristics & Packaging

Path Length Le (cm)	Cross Section Ae (cm ²)	Core Volume Ve (cm ³)	Window Area Wa (cm ²)	Weight (g)	Box QTY (pcs)
6.352	0.497	3.155	1.560	$22.5 \pm 5\%$	576

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	$\varnothing 0.5\text{mm}$, 50TS, 100KHz, 1.0V, 0A	$185\mu\text{H} \pm 8\%$
DC-Bias	$\varnothing 0.5\text{mm}$, 50TS, 100KHz, 1.0V, $I_{DC(100\text{Oe})} = 10.11\text{ A}$	48% Min
Core Loss	$\varnothing 0.5\text{mm}$, 50TS, 50KHz, 1000Gauss	270mW/cm^3 Max
Hi-Pot	1.2KVac, 0.5mA, 3 sec	PASS

DC Bias Curves

