



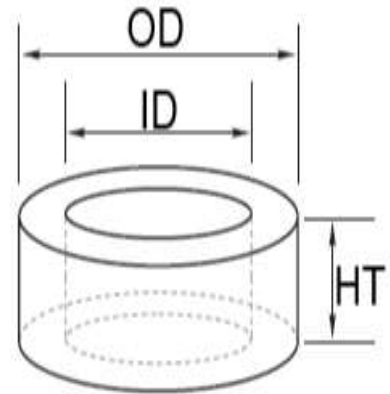
Specification of Magnetic Powder Core

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
MKF102-075	MKF	75	40±8%	Blue	Epoxy	800Vac / 0.5mA /3sec
Description	Toroidal Si-Fe Core					

Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	0.400	10.20	0.425	10.80	Max
ID	0.200	5.08	0.180	4.57	Min
HT	0.156	3.96	0.181	4.60	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)
2.380	0.100	0.238	0.164	1.65 ± 5%	12000

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅0.5 mm, 25TS, 100KHz, 1.0V, 0A	25uH±8%
DC-Bias	∅0.5 mm, 25TS, 100KHz, 1.0V, $I_{DC(100\text{Oe})} = 7.61\text{ A}$	55%Min
Core Loss	∅0.5mm, 25TS, 50KHz, 1000Gauss	520mW/cm ³ Max
Hi-Pot	800Vac, 0.5mA, 3 sec	PASS

DC Bias Curves

