



## Specification of Magnetic Powder Core

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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
MKF572-075	MKF	75	94±8%	Blue	Epoxy	1.5KVac / 0.5mA /3sec
Description: Toroidal Si-Fe Core						

### Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	2.250	57.20	2.285	58.00	Max
ID	1.400	35.60	1.368	34.70	Min
HT	0.550	14.00	0.585	14.86	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)
14.3	1.444	20.65	9.48	151±5%	112

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	235uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 22.77 A	55%Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	520mW/cm <sup>3</sup> Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

