



Specification of Magnetic Powder Core

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Part Number	Product Series	Permeability (u)	A_L (nH/N ²)	Coating Color	Coating Material	Coating Breakdown Voltage
MKF571-075	MKF	75	175±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	1.039	26.40	1.007	25.60	Min
HT	0.600	15.20	0.635	16.10	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)
12.5	2.29	28.60	5.14	207±5%	112

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	437.5uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, $I_{DC(100 Oe)} = 19.90$ A	55%Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	520mW/cm ³ Max
Hi-Pot	1.5KVac,0.5mA, 3 sec	PASS

DC Bias Curves

