



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
MKF127-060	MKF	60	27±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	0.500	12.70	0.530	13.46	Max
ID	0.300	7.62	0.275	6.99	Min
HT	0.187	4.75	0.217	5.51	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)
3.120	0.114	0.356	0.383	2.5 ± 5%	8000

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅0.5 mm, 40TS, 100KHz, 1.0V, 0A	43.2uH±8%
DC-Bias	∅0.5 mm,40TS, 100KHz, 1.0V, I _{DC(100 Oe)} = 6.24 A	70%Min
Core Loss	∅0.5mm, 40TS, 50KHz, 1000Gauss	620mW/cm ³ Max
Hi-Pot	800Vac,0.5mA, 3 sec	PASS

DC Bias Curves

