



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
MKF066-090	MKF	90	39±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	0.260	6.60	0.285	7.24	Max
ID	0.105	2.67	0.085	2.16	Min
HT	0.100	2.54	0.125	3.18	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)
1.363	0.047	0.064	0.041	0.65 ± 5%	20000

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅0.5 mm, 10TS, 100KHz, 1.0V, 0A	3.9uH±8%
DC-Bias	∅0.5 mm, 10TS, 100KHz, 1.0V, I _{DC(100 Oe)} = 10.85 A	45%Min
Core Loss	∅0.5mm, 10TS, 50KHz, 1000Gauss	520mW/cm ³ Max
Hi-Pot	800Vac, 0.5mA, 3 sec	PASS

DC Bias Curves

