



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
MKS572-090	MKS	90	112 ± 8%	Black	Epoxy	1.5KVac / 0.5mA / 3sec
Description	Toroidal Sendust Cores					

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 ²)	Core Volume Ve (cm ³)	Window Area Wa (cm ²)	Weight (g)	Box QTY (pcs)
14.3	1.444	20.65	9.48	131.5±5%	112

Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	280uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I _{DC(100 Oe)} = 22.77 A	27% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	300mW/cm ³ Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

DC Bias Curves

