



## 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
MKS1016-125	MKS	125	228 ± 8%	Black	Epoxy	1.5KVac / 0.5mA / 3sec
Description	Toroidal Sendust Core					

### Core Dimensions

Dimensions	Before Coating		After Coating		Min / Max
	inch	mm	inch	mm	
OD	4.000	101.60	4.050	103.12	Max
ID	2.250	57.15	2.195	55.75	Min
HT	0.650	16.51	0.700	17.78	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)
24.271	3.5226	85.50	24.413	475±5%	32

### Electrical Features (@25°C±2°C)

Test Item	Condition	Value (Typical)
Inductance	∅1.0 mm, 50TS, 100KHz, 1.0V, 0A	570uH±8%
DC-Bias	∅1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 38.64 A	18% Min
Core Loss	∅1.0mm, 50TS, 50KHz, 1000Gauss	250mW/cm <sup>3</sup> Max
Hi-Pot	1.5KVac, 0.5mA, 3 sec	PASS

### DC Bias Curves

