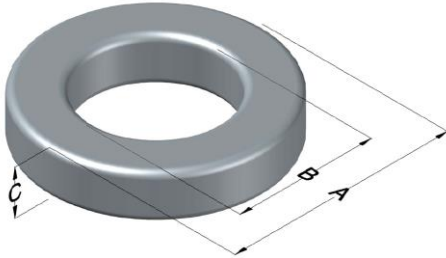




**0059050A2**

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Edge Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	56 ± 8%	XXXXXX	050A2	X	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	12.7	0.500	13.5	0.530	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	7.62	0.300	6.98	0.275	min	
HT (C)	4.75	0.187	5.52	0.217	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm <sup>3</sup> )	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V <sub>AC</sub> )	Break Strength min (kg)	Window Area W <sub>A</sub> (mm <sup>2</sup> )	Cross Section A <sub>e</sub> (mm <sup>2</sup> )	Path Length L <sub>e</sub> (mm)	Volume V <sub>e</sub> (mm <sup>3</sup> )	Weight (g)
	80%	50%							
700	55	90	1000	12.0	38.3	10.9	31.2	340	2.9

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 200°C
				OD	14.6	Notes:
0%	17.5	40%	21.1	HT	7.66	
				Completely Full Window		
20%	19.3	45%	21.7	Max HT	11.5	
25%	19.8	50%	22.1	Surface Area (mm <sup>2</sup> )		
30%	20.1	60%	23.2	Unwound Core	560	
35%	20.7	70%	24.5	40% Winding Factor	800	

**Typical DC Bias Performance**

