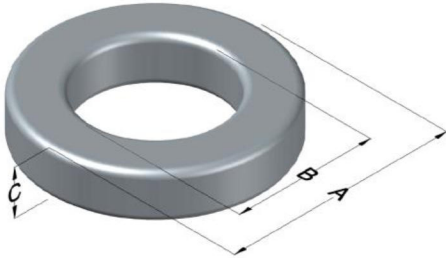




**0055030AY**

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MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	52 ± 8%	N/A	N/A	N/A	Clear

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	7.87	0.310	8.51	0.335	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	3.96	0.156	3.45	0.136	min	
HT (C)	3.18	0.125	3.81	0.150	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%							
850	25.0	48.5	600	4.9	10.35	5.99	17.9	107	0.9200

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 460°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 130°C
				OD	9.07	Notes:  Parylene coated, color appears clear to milky white.
0%	12.7	40%	14.5	HT	4.93	
				Completely Full Window		
20%	13.6	45%	14.7	Max HT	6.73	
25%	13.8	50%	15.0	Surface Area (mm <sup>2</sup> )		
30%	14.0	60%	15.5	Unwound Core	240	
35%	14.3	70%	16.1	40% Winding Factor	310	

### Typical DC Bias Performance

