



**0055130AY**

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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	53 ± 8%	N/A	N/A	N/A	Clear

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	11.18	0.440	11.63	0.458	max	Bulk Pack 4 bags/box Box Qty= 6000 pcs
ID (B)	6.35	0.250	6.02	0.237	min	
HT (C)	3.96	0.156	4.42	0.174	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)
	850	80%							
	25.0	48.5							

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	12.9	Notes:
				HT	6.53	
0%	15.2	40%	18.1	Max OD	15.7	
20%	16.7	45%	18.6	Max HT	8.97	
25%	17.0	50%	19.0	Surface Area (mm <sup>2</sup> )		
30%	17.4	60%	19.9	Unwound Core		420
35%	17.8	70%	20.9	40% Winding Factor		600

### Typical DC Bias Performance

