



**0055246A2**

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MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	17 $\pm$ 8%	XXXXXX	55246A2	N/A	Grey

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	6.60	0.260	7.24	0.285	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	2.67	0.105	2.16	0.085	min	
HT (C)	2.54	0.100	3.18	0.125	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 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)
	800	80%							
	80	135	1250	11.3	3.66	4.77	13.6	65	0.54

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	OD	7.64
					HT	3.98
0%	11.4	40%	12.6	Completely Full Window	Max OD	7.64
20%	12.1	45%	12.7		Max HT	4.78
25%	12.1	50%	13.0	Surface Area (mm <sup>2</sup> )		
30%	12.3	60%	13.3	Unwound Core	170	
35%	12.5	70%	13.7	40% Winding Factor	200	
Coating Temp (Continuous up to): 200°C						
Notes:						

