



# C055038A2

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MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
160	84 ± 8%	XXXXXX	038A2	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	10.16	0.400	10.80	0.425	max	Bulk Pack 4 bags/box Box Qty= 8000 pcs
ID (B)	5.08	0.200	4.57	0.180	min	
HT (C)	3.96	0.156	4.60	0.181	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%							
900	21.0	39.0	1250	12.2	16.4	9.57	23.0	220	1.9380

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): 200°C
				OD	11.5	Notes:
				HT	5.96	
				Completely Full Window		
				Max OD	14.1	
				Max HT	8.46	
				Surface Area (mm <sup>2</sup> )		
				Unwound Core	370	
0%	15.4	40%	17.8	40% Winding Factor		480
20%	16.6	45%	18.1			
25%	16.9	50%	18.4			
30%	17.1	60%	19.2			
35%	17.5	70%	20.0			

## Typical DC Bias Performance

