



# C055239A2

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MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
147	64 ± 8%	XXXXXX	239	X	Gray

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 @ 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	23.0	43.0	1250	11.3	3.63	4.76	13.6	64.9	0.58

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	7.41
					HT	3.87
				Completely Full Window	Max OD	9.12
					Max HT	5.13
0%	11.4	40%	12.6	Surface Area (mm <sup>2</sup> )		
20%	12.0	45%	12.7			
25%	12.2	50%	12.9	Unwound Core		
30%	12.3	60%	13.2	40% Winding Factor		
35%	12.4	70%	13.6	170		
				190		
Coating Temp (Continuous up to): 200°C						
Notes:						

## Typical DC Bias Performance

