



C055308A9

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
160	115 ± 8%	XXXXXX	55308A9	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	23.50	0.925	24.0	0.945	max	Bulk Pack 4 bags/box Box Qty= 1000 pcs
ID (B)	13.55	0.533	12.95	0.510	min	
HT (C)	8.20	0.323	8.76	0.345	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max(mW/cm ³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	80%	50%							
900	21.0	39.0	8000	39.0	131	31.7	56.7	1,800	16.32

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	25.7	
						HT	12.4	
				Completely Full Window		Max OD	32.6	
						Max HT	19.8	
				Surface Area (mm ²)			Notes:	
				Unwound Core		1,600		
				40% Winding Factor		2,400		
0%	27.0	40%	33.9				Coating Temp (Continuous up to): 200 °C	
20%	30.5	45%	34.9					
25%	31.3	50%	35.9					
30%	32.0	60%	38.0					
35%	33.1	70%	40.4					

Typical DC Bias Performance

