



C055103A2

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
173	218 ± 8%	XXXXXX	55103A2	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	57.15	2.250	58.04	2.285	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	35.56	1.400	34.75	1.368	min	
HT (C)	13.97	0.550	14.86	0.585	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	20.0	36.5	3000	107.0	948	144	143	20,700	180

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	63.5	
				HT	25.9	Notes:
				Max OD	81.3	
				Max HT	44.4	
0%	53.0	40%	71.0	Completely Full Window		
20%	61.9	45%	73.2	Surface Area (mm ²)		
25%	64.3	50%	76.0			
30%	65.8	60%	81.3	Unwound Core	7,700	
35%	68.7	70%	87.1	40% Winding Factor	13,000	

