



0055112A9

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
14	18 \pm 8%	XXXXXX	55112A9	N/A	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	57.95	2.250	58.42	2.300	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	35.56	1.400	34.36	1.353	min	
HT (C)	13.97	0.550	15.28	0.602	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%	60%							
1600	215.0	270.0	8000	107.0	927	144	143	20,700	140

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

