



C055319A2

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
300	281 ± 8%	XXXXXX	55319A2	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	35.81	1.410	36.70	1.445	max	Cardboard cut-outs Box Qty= 220 pcs
ID (B)	22.35	0.880	21.54	0.848	min	
HT (C)	10.46	0.412	11.35	0.447	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max(mW/cm ³)	DC Bias min (A-T/cm)		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%							
1050	8.5	17.5	3000	50	364	67.8	89.8	6,090	53.56

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	40.2	Notes:
				HT	18.4	
				Completely Full Window		
				Max OD	51.1	
				Max HT	29.6	
				Surface Area (mm ²)		
				Unwound Core	3,400	
0%	37.9	40%	48.9	40% Winding Factor		5,700
20%	43.5	45%	50.6			
25%	44.8	50%	52.0			
30%	46.0	60%	55.5			
35%	47.6	70%	59.3			

