



C055115A2

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
300	173 \pm 8%	XXXXXX	55115A2	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	16.59	0.653	17.27	0.680	max	Bulk Pack 4 bags/box Box Qty= 2000 pcs
ID (B)	10.16	0.400	9.53	0.375	min	
HT (C)	6.35	0.250	7.11	0.280	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%							
1050	8.50	17.5	1250	23.0	71.2	19.2	41.2	791	7.0040

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	18.8	Notes:
				HT	10.1	
				Completely Full Window		
				Max OD	23.7	
				Max HT	15.2	
0%	22.0	40%	26.8	Surface Area (mm ²)		
20%	24.4	45%	27.6	Unwound Core		920
25%	25.0	50%	28.3	40% Winding Factor		1,300
30%	25.6	60%	29.7			
35%	26.2	70%	31.4			

