



C055145A2

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
300	84 ± 8%	N/A	N/A	N/A	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	3.94	0.155	4.57	0.180	max	Bulk Pack 5 vials/box Box Qty= 7500 pcs
ID (B)	2.24	0.088	1.73	0.068	min	
HT (C)	2.54	0.100	3.18	0.125	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	*-	2.7	2.32	2.11	9.42	19.9	0.1751

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	4.85	
				HT	3.73	Notes: MPP cores 4.65 mm and smaller are graded into 5% bands. *No voltage breakdown min for A2 or A7 with OD ≤4.65mm
Completely Full Window				Max OD	5.77	
0%	9.20	40%	10.1	Max HT	4.75	
20%	9.64	45%	10.2	Surface Area (mm ²)		
25%	9.76	50%	10.3	Unwound Core		90
30%	9.84	60%	10.6	40% Winding Factor		110
35%	9.98	70%	10.9			

Typical DC Bias Performance

