



0055135AY

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
300	62 ± 8%	N/A	N/A	N/A	Clear

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	3.56	0.140	4.01	0.158	max	Bulk Pack 5 vials/box Box Qty= 7500 pcs
ID (B)	1.78	0.070	1.45	0.057	min	
HT (C)	1.52	0.060	1.98	0.078	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	8.50	17.5	600V	0.9	1.27	1.30	8.06	10.5	0.0968

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	4.30
					HT	2.56
0%	7.24	40%	7.89	Completely Full Window	Max OD	4.95
20%	7.56	45%	7.98		Max HT	2.74
25%	7.65	50%	8.08	Surface Area (mm ²)		Notes: Parylene coated, color appears clear to milky white.
30%	7.70	60%	8.27	Unwound Core	60	
35%	7.81	70%	8.48	40% Winding Factor	70	

Typical DC Bias Performance

