



0055459A2

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
300	538 \pm 8%	XXXXXX	55459A2	N/A	Grey

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	42.90	1.689	43.84	1.726	max	Cardboard cut-outs Box Qty= 120 pcs
ID (B)	24.21	0.953	23.39	0.921	min	
HT (C)	16.26	0.640	17.27	0.680	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)
	1050	80%							
	8.5	17.5							

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	47.6
					HT	24.6
0%	55.0	40%	67.1	Completely Full Window	Max OD	59.4
20%	61.1	45%	68.9		Max HT	36.7
25%	62.5	50%	70.8	Surface Area (mm ²)		
30%	63.8	60%	74.2	Unwound Core		5,800
35%	65.6	70%	78.5	40% Winding Factor		8,400
Coating Temp (Continuous up to): 200°C						
Notes:						

