



# C055036A2

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MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
550	287 $\pm$ 8%	XXXXXX	55036A2	X	Grey

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	10.16	0.400	10.80	0.425	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	5.08	0.200	4.57	0.180	min	
HT (C)	3.96	0.156	4.60	0.181	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 100mT max (mW/cm <sup>3</sup> )	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V <sub>AC</sub> )	Break Strength min (kg)	Window Area W <sub>a</sub> (mm <sup>2</sup> )	Cross Section A <sub>e</sub> (mm <sup>2</sup> )	Path Length L <sub>e</sub> (mm)	Volume V <sub>e</sub> (mm <sup>3</sup> )	Est. Weight (g)
	80%	50%							
2000	1.9	4.2	1250	12.2	16.4	9.56	23.0	220	1.94

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	11.4	Notes:
0%	15.4	40%	17.8	HT	6.40	
				Completely Full Window		
20%	16.5	45%	18.2	Max HT	8.20	
25%	17.0	50%	18.5	Surface Area (mm <sup>2</sup> )		
30%	17.2	60%	19.2	Unwound Core	370	
35%	17.5	70%	20.1	40% Winding Factor	480	

### Typical DC Bias Performance

