



0055296A2

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	22 ± 8%	XXXXXX	55296A2	N/A	Grey

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	9.65	0.380	10.29	0.405	max	Bulk Pack 4 bags/box Box Qty= 8000 pcs
ID (B)	4.78	0.188	4.27	0.168	min	
HT (C)	3.96	0.156	4.60	0.181	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 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)
	800	80%							
	80	135	1250	14.0	14.3	9.42	21.8	205	1.57

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	10.9
					HT	6.40
0%	15.2	40%	17.5	Completely Full Window	Max OD	11.5
20%	16.2	45%	17.8		Max HT	7.60
25%	16.6	50%	18.1	Surface Area (mm ²)		
30%	16.9	60%	18.8	Unwound Core		350
35%	17.2	70%	19.5	40% Winding Factor		450
Coating Temp (Continuous up to): 200°C						
Notes:						

