



C055206M4

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	68 ± 8%	XXXXXX	55206M4	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	20.32	0.800	21.08	0.830	max	Bulk Pack 4 bags/box Box Qty= 1600 pcs
ID (B)	12.70	0.500	12.07	0.475	min	
HT (C)	6.35	0.250	7.11	0.280	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%							
850	25.0	48.5	>2000	29.0	114	22.1	50.9	1,120	9.4000

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 to): 200 °C
				OD	22.9	Notes: M4 stabilization: Controlled stabilization with Inductance stability limits of +/- 0.25% over temperature range -65°C to +125°C measured at low drive level (<10mT). For power inductors use standard stabilization, A2.
				HT	10.7	
				Max OD	29.2	
				Max HT	17.4	
				Surface Area (mm ²)		
				Unwound Core	1,200	
				40% Winding Factor	1,900	

Typical DC Bias Performance

