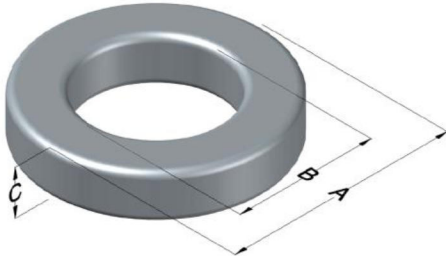




C055240M4

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	54 ± 8%	XXXXXX	240	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	6.60	0.260	7.24	0.285	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	2.67	0.105	2.16	0.085	min	
HT (C)	2.54	0.100	3.18	0.125	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)
	850	80%							
	25.0	48.5							

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		Coating Temp (Continuous to): 200°C
				OD	7.41	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	3.87	
0%	11.4	40%	12.6	Completely Full Window		
20%	12.0	45%	12.7	Max OD	9.12	
25%	12.2	50%	12.9	Max HT	5.13	
30%	12.3	60%	13.2	Surface Area (mm ²)		
35%	12.4	70%	13.6	Unwound Core	170	
				40% Winding Factor	190	

Typical DC Bias Performance

