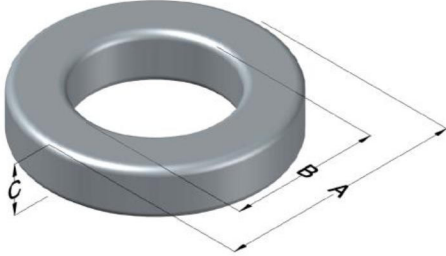




C055031M4

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	25 \pm 8%	XXXXXX	031M4	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	7.87	0.310	8.51	0.335	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	3.96	0.156	3.45	0.136	min	
HT (C)	3.18	0.125	3.81	0.150	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%							
700	50.0	94.0	1250	10.0	9.35	5.99	17.9	107	0.8648

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	9.07
					HT	4.93
0%	12.7	40%	14.5	Completely Full Window	Max OD	11.0
20%	13.6	45%	14.7		Max HT	6.73
25%	13.8	50%	15.0	Surface Area (mm ²)		
30%	14.0	60%	15.5	Unwound Core	240	
35%	14.3	70%	16.1	40% Winding Factor	310	
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.						

Typical DC Bias Performance

