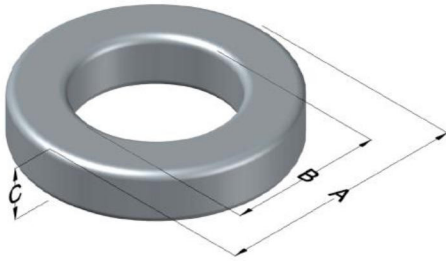




C055018M4

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MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
160	64 ± 8%	XXXXXX	018	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	6.35	0.250	6.99	0.275	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	2.79	0.110	2.29	0.090	min	
HT (C)	2.79	0.110	3.43	0.135	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%							
900	21.0	39.0	1250	3.5	4.08	4.70	13.6	64.0	0.6018

Winding Information				Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)	
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD 7.34
					HT 4.12
0%	11.6	40%	12.8	Completely Full Window	Max OD 8.81
20%	12.2	45%	12.9		Max HT 5.38
25%	12.3	50%	13.1	Surface Area (mm ²)	
30%	12.4	60%	13.4	Unwound Core	170
35%	12.6	70%	13.9	40% Winding Factor	200
Curie Temp: 460°C					
Coating Temp (Continuous to): 200°C					
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

