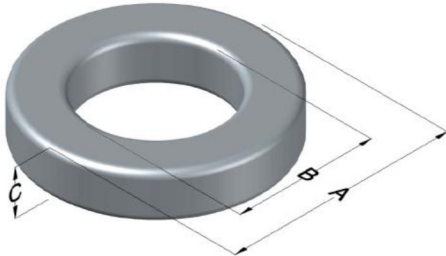




0077212A7

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Kool M μ Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	50 ± 8%	XXXXXX	77212A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	57.15	2.250	58.04	2.285	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	35.56	1.400	34.75	1.368	min	
HT (C)	13.96	0.550	14.86	0.585	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	58.5	133	3000	107.0	948	144	143	20,700	120

Winding Information					Temperature Rating		
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C	
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD	63.5	
					HT	25.9	
				Completely Full Window	Max OD	81.3	
					Max HT	44.4	
0%	53.0	40%	71.0	Surface Area (mm ²)			
20%	61.9	45%	73.2				
25%	64.3	50%	76.0	Unwound Core			
30%	65.8	60%	81.3				
35%	68.7	70%	87.1	40% Winding Factor			
				7,700			
				13,000			
							Coating Temp (Continuous up to): 200°C
							Notes:

