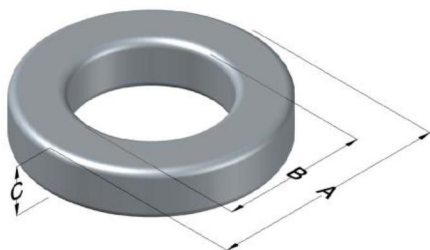




0077872A7

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Kool Mμ Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	45 ± 8%	XXXXXX	77872A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 45 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.94	3.108	Max	
ID (B)	49.23	1.938	48.21	1.898	Min	
HT (C)	12.70	0.500	13.84	0.545	Max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm²)	Cross Section A _e (mm²)	Path Length L _e (mm)	Volume V _e (mm³)	Weight (g)
900	80%	50%	3000	141.0	1,820	176	196.1	34,500	192
	58.5	133.0							

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	86.6	Coating Temp (Continuous up to): 200°C	
					HT	29.1		
				Completely Full Window	Max OD	112	Notes:	
					Max HT	54.3		
0%	58.4	40%	83.5	Surface Area (mm²)				
20%	70.9	45%	86.7					
25%	74.1	50%	90.4					
30%	76.3	60%	98.1	Unwound Core		11,000		
35%	80.4	70%	107	40% Winding Factor		23,000		

Typical DC Bias Performance

