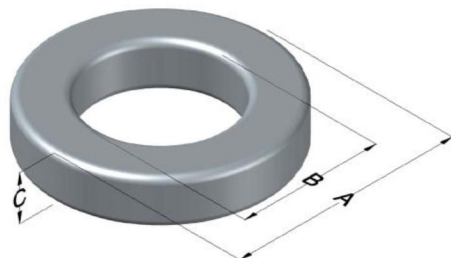




0077847A7

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magnetics@spang.com
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Kool Mμ Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	21 ± 8%	XXXXXX	77847A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	20.32	0.800	21.08	0.830	max	Bulk Pack 4 bags/box Box Qty= 1600 pcs
ID (B)	12.70	0.500	12.07	0.475	min	
HT (C)	6.35	0.250	7.11	0.280	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%	>2000	29.0	114	22.1	50.9	1,120	6.3900
	58.5	133							

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	22.9	Coating Temp (Continuous up to): 200°C	
					HT	10.7		
				Completely Full Window	Max OD	29.2		Notes:
					Max HT	17.4		
0%	23.2	40%	29.3	Surface Area (mm²)				
20%	26.3	45%	30.3					
25%	27.0	50%	31.2					
30%	27.8	60%	32.9	Unwound Core		1,200		
35%	28.6	70%	35.1	40% Winding Factor		1,900		

Typical DC Bias Performance

