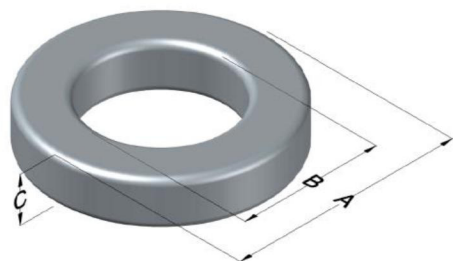




0075338A7

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magnetics@spang.com
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75 Material Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	105 $\pm$ 8%	XXXXXX	75338A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 16 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	132.56	5.219	133.96	5.274	max	
ID (B)	78.59	3.094	77.19	3.039	min	
HT (C)	25.40	1.000	26.80	1.055	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 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)
850	80%	50%	3000	227.0	4,710	678	324	220,000	1,350
	85.0	180							

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	146	Coating Temp (Continuous up to): 200°C	
					HT	50.7		
				Completely Full Window	Max OD	179		Notes:
					Max HT	78.8		
0%	110	40%	150	Surface Area (mm²)				
20%	130	45%	156					
25%	135	50%	162					
30%	139	60%	173	Unwound Core		36,000		
35%	145	70%	187	40% Winding Factor		65,000		

Typical DC Bias Performance

