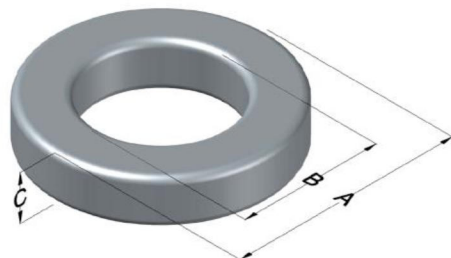




0075100A7

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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	74 $\pm$ 8%	XXXXXX	75100A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 25 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	101.60	4.000	103.00	4.055	max	
ID (B)	57.20	2.252	55.75	2.195	min	
HT (C)	16.50	0.650	17.90	0.705	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 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)
850	80%	50%	2000	181.0	2,470	358	243	86,900	545
	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	112	Coating Temp (Continuous up to): 200°C
					HT	34.9	
				Completely Full Window	Max OD	136	Notes:
Max HT	55.1						
0%	82.2	40%	111	Surface Area (mm²)			
20%	96.8	45%	116				
25%	100	50%	120				
30%	103	60%	128	Unwound Core		20,000	
35%	108	70%	139	40% Winding Factor		36,000	

Typical DC Bias Performance

