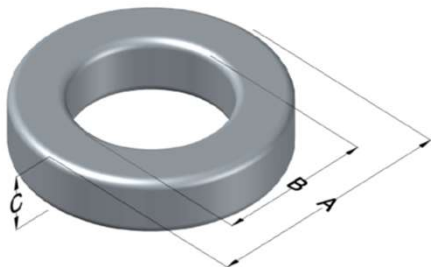




0075555A7

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magnetics@spang.com



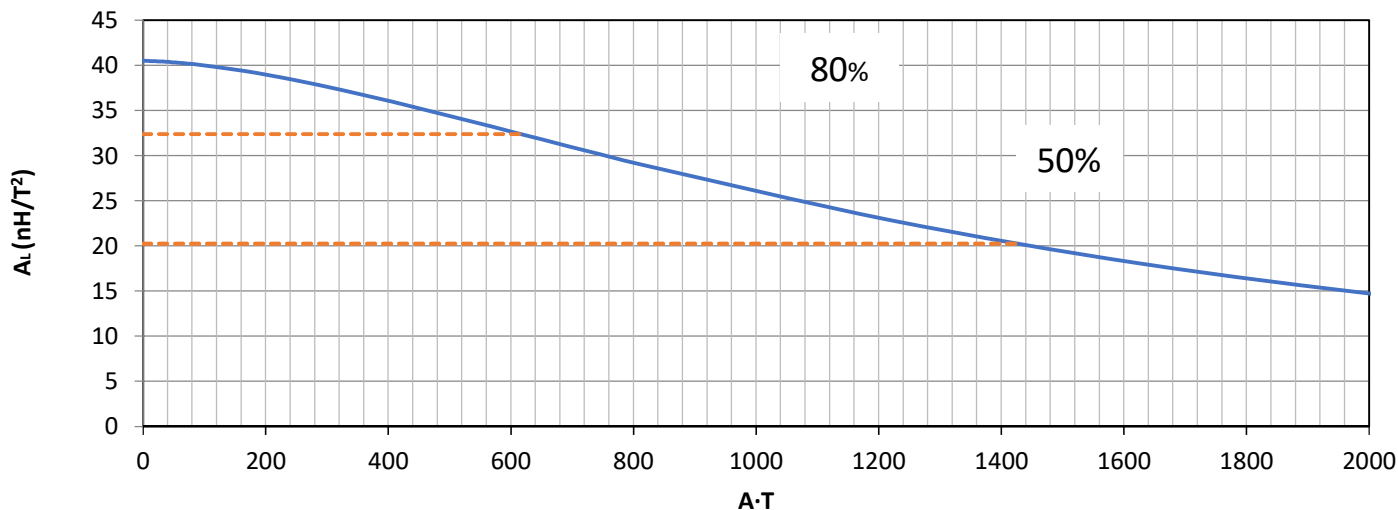
75 Series Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	41 $\pm$ 8%	XXXXXX	75555A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	32.79	1.291	33.66	1.325	max	Cardboard cut-outs Box Qty= 250 pcs
ID (B)	20.09	0.791	19.46	0.766	min	
HT (C)	10.67	0.420	11.43	0.450	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50kHz, 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)	Est. Weight (g)
850	80%	50%	3000	79.0	297	65.6	81.4	5,340	36.5
	85	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	37.7	Coating Temp (Continuous up to): 200°C
					HT	17.4	
				Completely Full Window	Max OD	39.7	Notes:
					Max HT	25.4	
0%	37.1	40%	47.1	Surface Area (mm ²)			
20%	42.1	45%	48.7				
25%	43.3	50%	50.0				
30%	44.5	60%	53.2	Unwound Core		3,100	
35%	46.0	70%	56.7	40% Winding Factor		4,700	

Typical DC Bias Performance



Revision 7/8/2022