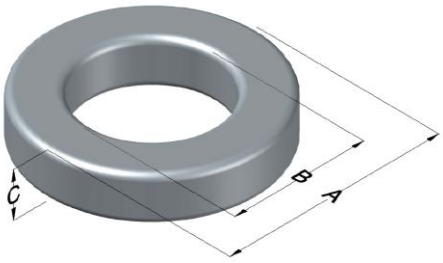
0077934A7P180

110 Delta Drive
Pittsburgh, PA 15238
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magnetics@spang.com



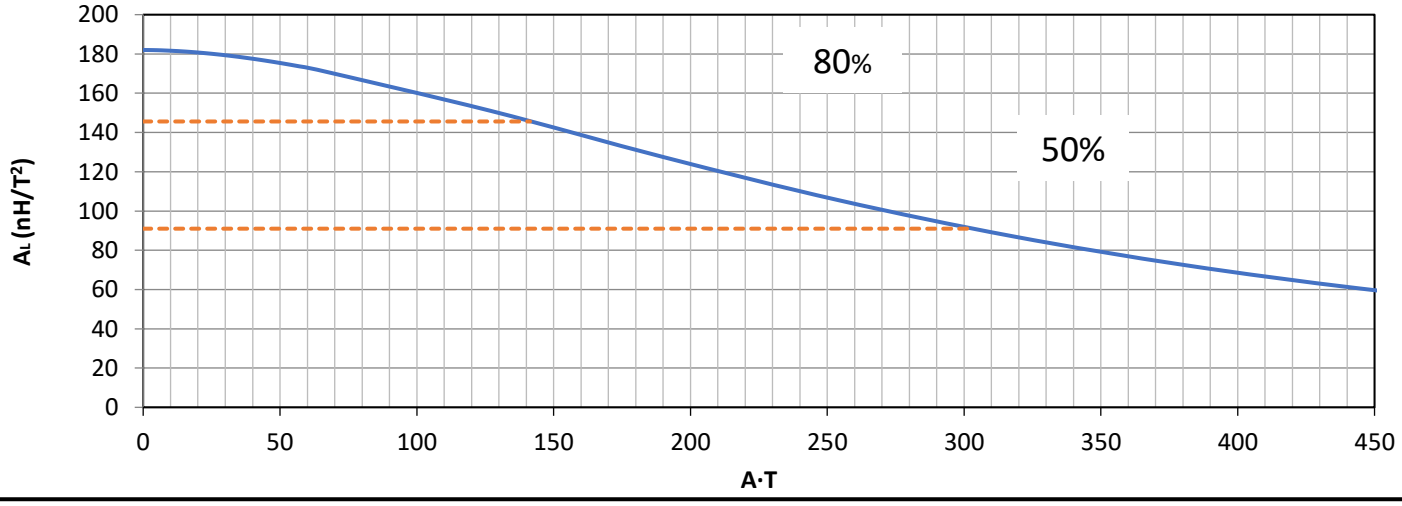
Kool Mμ Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	182 ± 8%	XXXXXX	77934A7P180	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	26.92	1.060	27.69	1.090	max	Cardboard cut-outs Box Qty= 280 pcs
ID (B)	14.73	0.580	14.10	0.555	min	
HT (C)	18.00	0.709	18.80	0.740	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100 mT 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)
	80%	50%							
750	21	52	3000	122	156	105	63.5	6,670	51

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	30.9	Coating Temp (Continuous up to): 200°C
					HT	23.6	
0%	51.2	40%	58.5	Completely Full Window	Max OD	30.9	Notes:
20%	54.8	45%	59.4		Max HT	28.4	
25%	55.8	50%	60.6	Surface Area (mm^2)			
30%	56.5	60%	62.7	Unwound Core		3,400	
35%	57.5	70%	65.2	40% Winding Factor		4,300	

Typical DC Bias Performance



Revision 4/3/2025