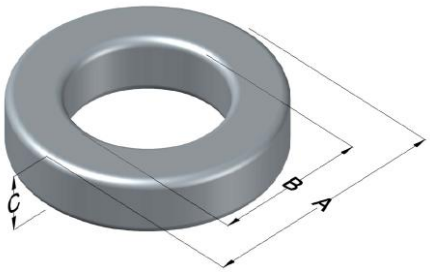
0059439A2S

110 Delta Drive
Pittsburgh, PA 15238
NAFTA Sales: (1)800-245-3984
HK Sales : (852)3102-9337
magnetics@spang.com



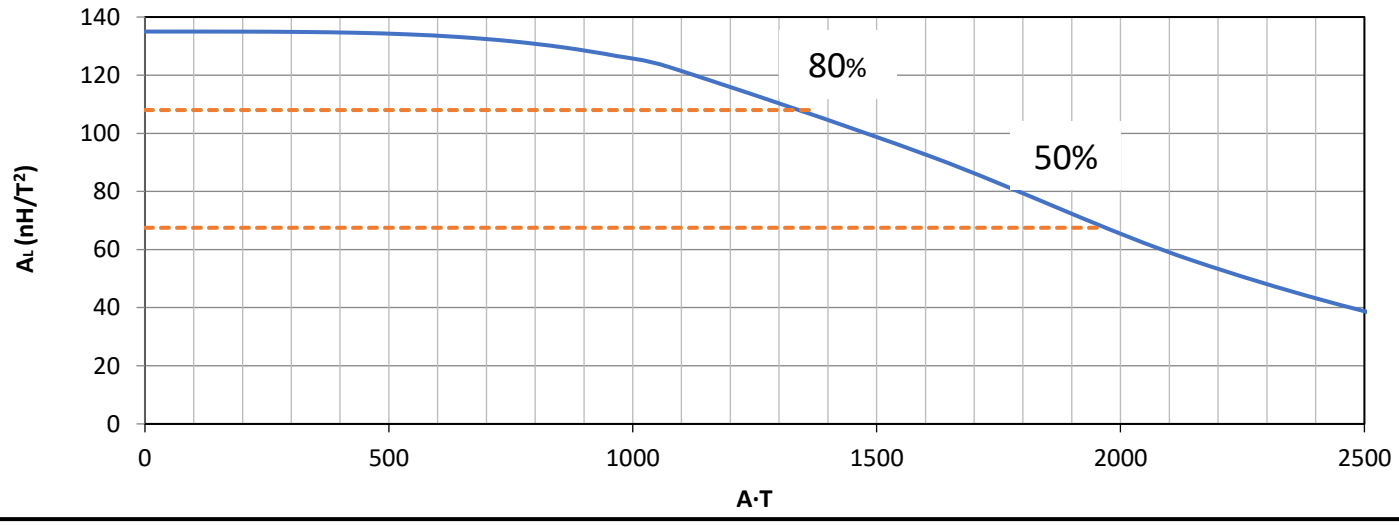
High Bias Edge Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	135 ± 8%	XXXXXX	59439A2S	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	46.74	1.840	47.63	1.875	max	Cardboard cut-outs Box Qty= 105 pcs
ID (B)	24.13	0.950	23.32	0.918	min	
HT (C)	18.03	0.710	18.92	0.745	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%							
700	130	200	3000	233	427	199	107.4	21,400	164

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 52.4 / HT 26.1	Coating Temp (Continuous up to): 200°C
0%	62.2	40%	74.2	Completely Full Window	Max OD 54.8 / Max HT 35.7	Notes:
20%	68.3	45%	76.0	Surface Area (mm^2)		
25%	69.7	50%	77.6			
30%	71.0	60%	81.3	Unwound Core	6,900	
35%	72.8	70%	85.6	40% Winding Factor	9,500	

Typical DC Bias Performance



Revision 10/30/2026