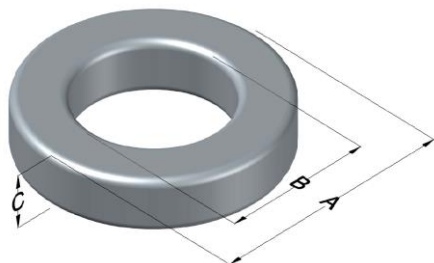




0059254A2

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



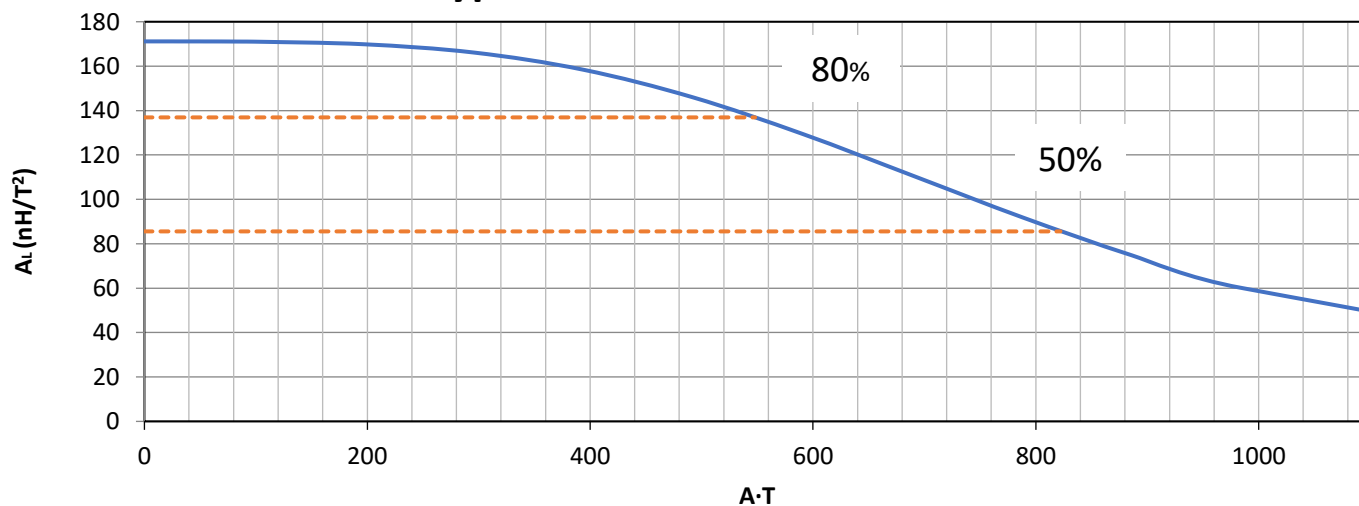
Edge Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	171 $\pm$ 8%	XXXXXX	59254A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	39.88	1.570	40.77	1.605	max	Cardboard cut-outs Box Qty= 180 pcs
ID (B)	24.13	0.950	23.32	0.918	min	
HT (C)	14.48	0.570	15.37	0.605	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)
700	80%	50%	3000	126.0	427	107	98.5	10,600	87.3
	55	90							

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	
					HT	
0%	48.2	40%	61.1	Completely Full Window	Max OD	Notes:
20%	55.2	45%	62.5		Max HT	
25%	55.2	50%	64.2	Surface Area (mm ²)		
30%	57.3	60%	68.2			
35%	59.6	70%	72.6	Unwound Core	4,900	
				40% Winding Factor	7,400	

Typical DC Bias Performance



Revision 8/10/2023