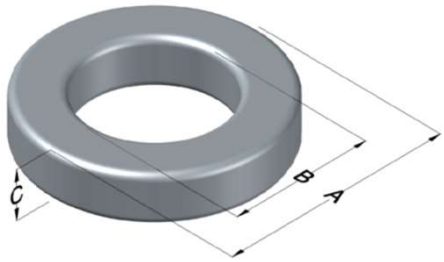
0058778A2

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



High Flux Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	425 ± 8%	XXXXXX	58778A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.94	3.108	max	Cardboard cut-outs Box Qty= 25 pcs
ID (B)	39.34	1.549	38.33	1.509	min	
HT (C)	25.86	1.018	26.85	1.057	max	

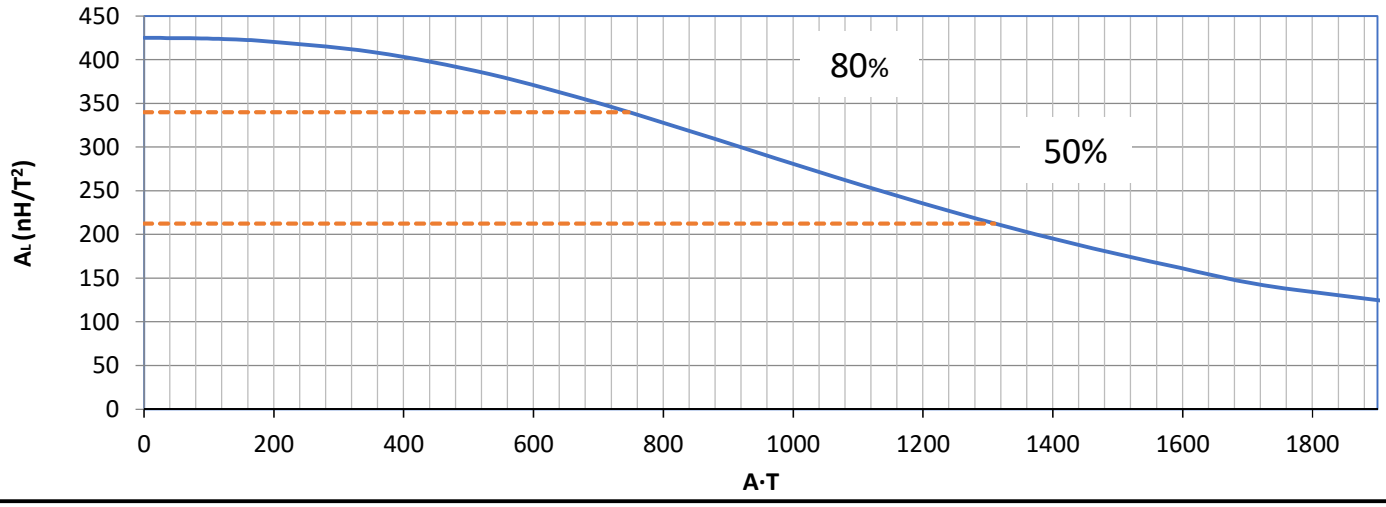
Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 100mT max (mW/cm^3)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V_{AC})	Break Strength min (kg)	Window Area W_a(mm^2)	Cross Section A_e (mm^2)	Path Length L_e (mm)	Volume V_e (mm^3)	Weight (g)
	80%	50%							
1000	46	81	3000	141.0	1,150	492	177.2	87,100	742

Winding Information				Temperature Rating
Winding Length Per Turn				Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	Coating Temp (Continuous up to): 200°C
0%	94.3	40%	114	
20%	104	45%	117	
25%	107	50%	119	
30%	109	60%	125	
35%	112	70%	132	

Wound Coil Dimensions (mm)		
40% Winding Factor	OD	86.9
	HT	38.9
Completely Full Window	Max OD	86.9
	Max HT	54.9
Surface Area (mm^2)		
Unwound Core		17,000
40% Winding Factor		25,000

Notes:

Typical DC Bias Performance



Revision 11/11/2021