0078520A7

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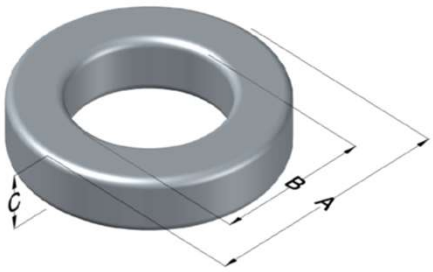


XFlux Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	313 ± 8%	XXXXXX	78520A7	N/A	Brown

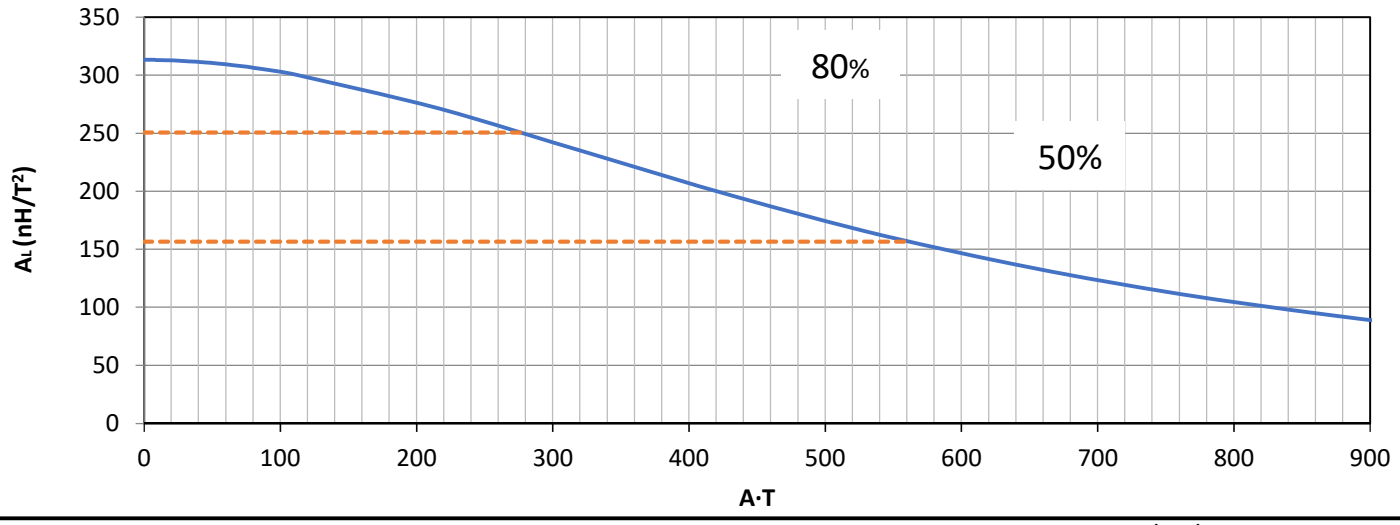
Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	52.10	2.051	53.00	2.087	max	Cardboard cut-outs Box Qty= 80 pcs
ID (B)	21.50	0.846	20.60	0.811	min	
HT (C)	15.20	0.598	16.10	0.634	max	

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)
	80%	50%							
700	27	55	3000	136.0	333	217	109	23,500	171

Winding Information				Temperature Rating
Winding Length Per Turn				Curie Temp: 700°C
Winding Factor	(mm)	Winding Factor	(mm)	Coating Temp (Continuous up to): 200°C
0%	64.6	40%	75.3	Notes:
20%	70.0	45%	76.8	
25%	71.3	50%	78.3	
30%	72.3	60%	81.5	
35%	74.0	70%	85.2	

Wound Coil Dimensions (mm)		
40% Winding Factor	OD	55.2
	HT	22.7
Completely Full Window	Max OD	57.4
	Max HT	31.5
Surface Area (mm^2)		
Unwound Core		7,500
40% Winding Factor		9,400

Typical DC Bias Performance



Revision 5/20/2022