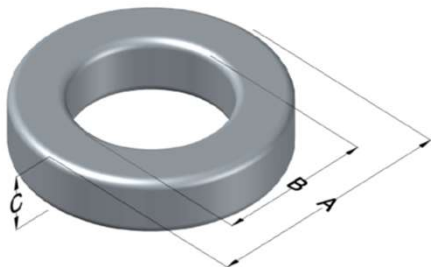




0055520A2

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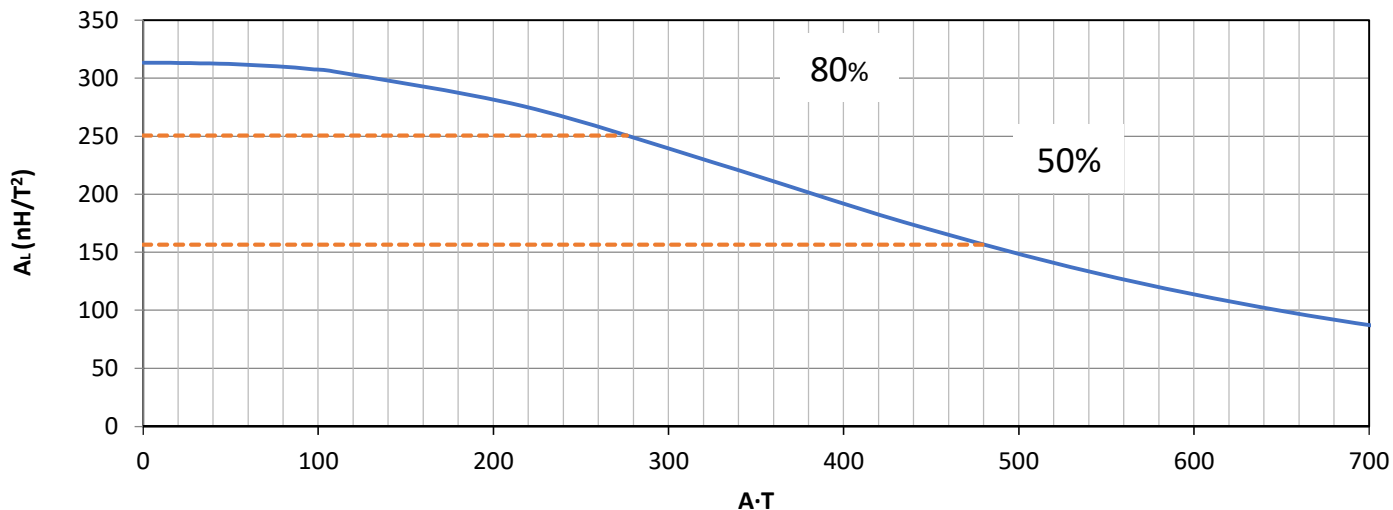
MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	313 $\pm$ 8%	XXXXXX	55520A2	N/A	Grey

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 @ 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)	Est. Weight (g)
850	80%	50%	3000	136.0	333	217	109	23,500	193
	25	48.5							

Winding Information						Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)			Curie Temp: 460°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD	55.2	Coating Temp (Continuous up to): 200°C
					HT	22.7	
	Completely Full Window	Max OD	57.4	Notes:			
		Max HT	31.5				
	0%	64.6	40%		75.3	Surface Area (mm²)	
20%	70.0	45%	76.8				
25%	71.3	50%	78.3				
30%	72.3	60%	81.5	Unwound Core		7,500	
35%	74.0	70%	85.2	40% Winding Factor		9,400	

Typical DC Bias Performance



Revision 5/20/2022