0077725A7

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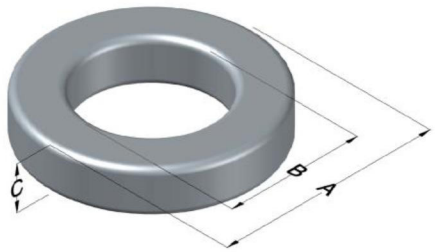
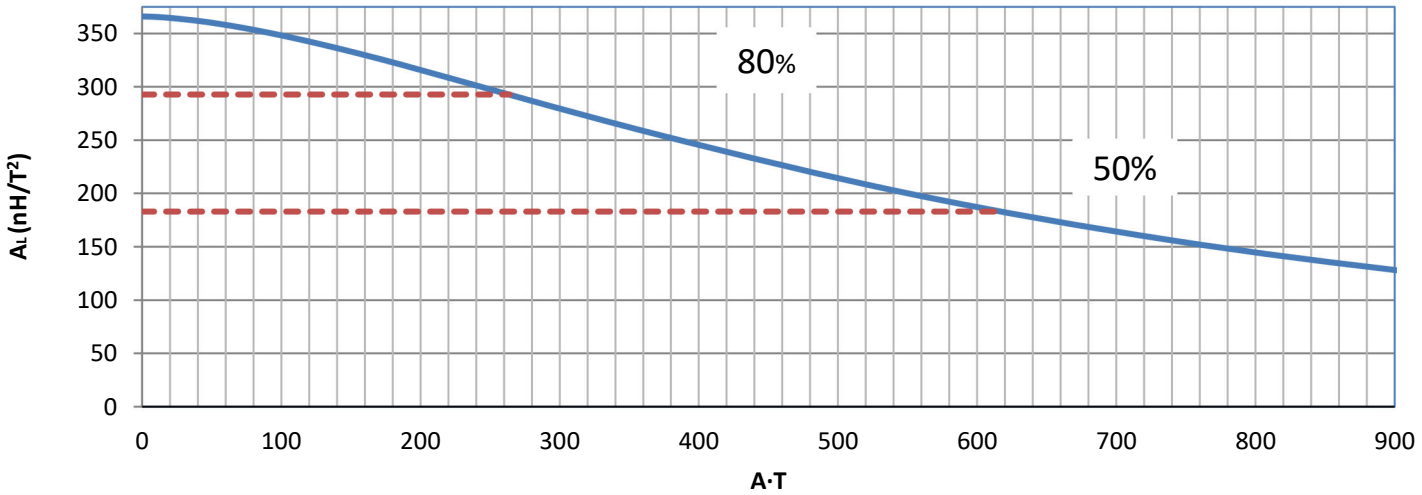


Kool Mμ Permeability (μ)	A_L (nH/T²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	366 ± 8%	XXXXXX	77725A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	50.55	1.990	51.51	2.020	max	Cardboard cut-outs Box Qty= 70 pcs
ID (B)	24.77	0.975	24.00	0.945	min	
HT (C)	20.83	0.820	21.59	0.850	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V_{AC})	Break Strength min (kg)	Window Area W_A(mm²)	Cross Section A_e (mm²)	Path Length L_e (mm)	Volume V_e (mm³)	Weight (g)
	80%	50%							
1000	14	35	3000	95.0	452	262	113.5	29,700	182

Winding Information							Temperature Rating
Winding Length Per Turn				Wound Coil Dimensions (mm)			Curie Temp: 460˚C
Winding Factor	(mm)	Winding Factor	(mm)				Coating Temp (Continuous up to): 200˚C
				40% Winding Factor	OD	55.0	Notes:
					HT	29.0	
0%	70.7	40%	82.8	Completely Full Window	Max OD	68.0	
					Max HT	41.0	
20%	76.9	45%	84.8	Surface Area (mm²)			
25%	78.3	50%	86.6				
30%	79.7	60%	90.1	Unwound Core	8,300		
35%	81.5	70%	94.4	40% Winding Factor	11,500		

Typical DC Bias Performance