0076073A7

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Pittsburgh, PA 15238
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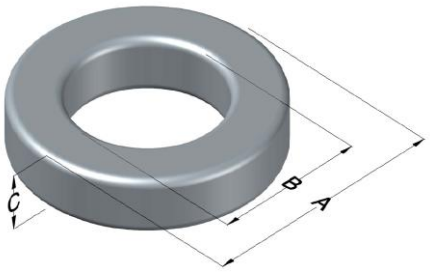


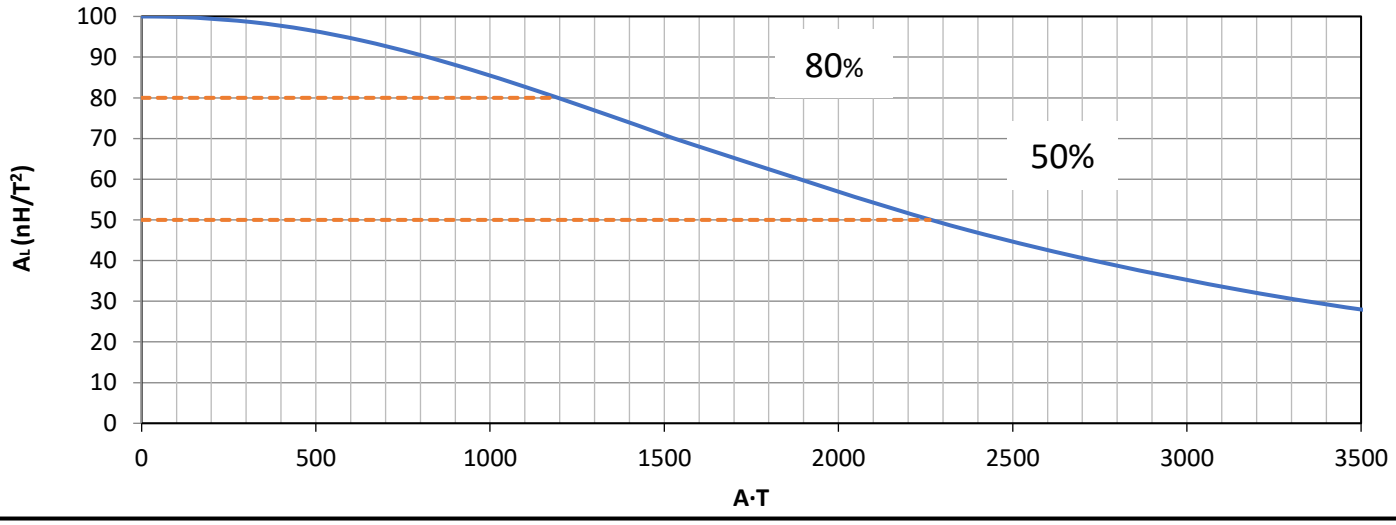
Kool Mμ H*f* Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	100 ± 8%	XXXXXX	76073A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	68.00	2.677	69.42	2.733	max	Cardboard cut-outs Box Qty= 35 pcs
ID (B)	35.99	1.417	34.67	1.365	min	
HT (C)	19.99	0.787	21.41	0.843	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 50 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)
	80%	50%							
125	75	145	3000	181	944	314	158	49,600	308

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 76.6 / HT 32.2	Coating Temp (Continuous up to): 200°C
0%	77.6	40%	95.3	Completely Full Window	Max OD 80.2 / Max HT 46.6	Notes:
20%	86.6	45%	97.9	Surface Area (mm^2)		
25%	88.7	50%	100	Unwound Core	13,000	
30%	90.6	60%	106	40% Winding Factor	18,000	
35%	93.2	70%	112			

Typical DC Bias Performance



Revision 10/13/2025