0077431A7

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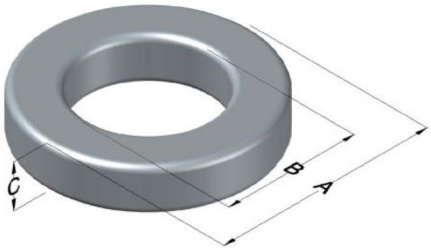
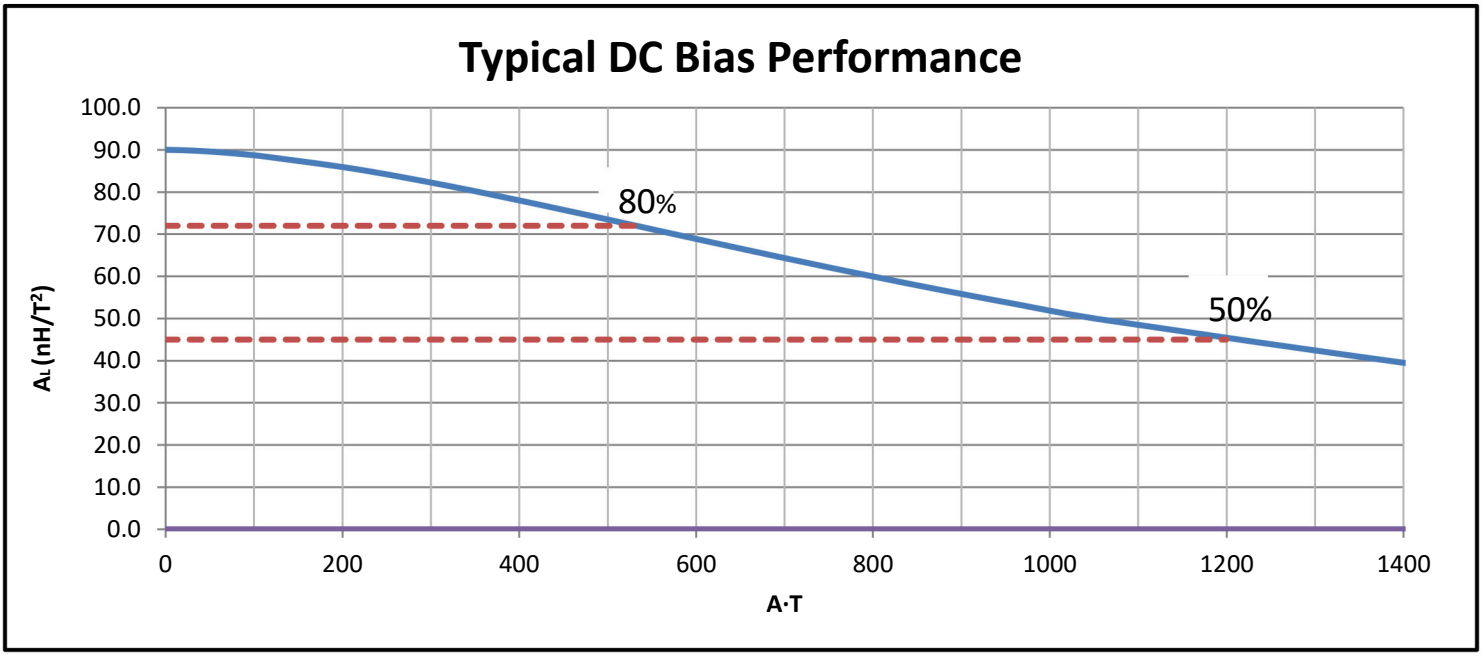


Kool Mμ Permeability (μ)	A_L (nH/T²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	90 ± 8%	XXXXXX	77431A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	46.74	1.840	47.63	1.875	max	Cardboard cut-outs Box Qty= 105 pcs
ID (B)	24.13	0.950	23.32	0.918	min	
HT (C)	18.03	0.710	18.92	0.745	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%							
900	58.5	133	3000	233	427	199	107	21,300	120

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	51.2	Coating Temp (Continuous up to): 200˚C
					HT	26.0	
				Completely Full Window	Max OD	63.8	Notes:
0%	62.1	40%	74.1		Max HT	38.7	
20%	68.2	45%	76.0	Surface Area (mm²)			
25%	69.7	50%	77.6				
30%	70.9	60%	81.2	Unwound Core	6,900		
35%	72.7	70%	85.4	40% Winding Factor	9,600		



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