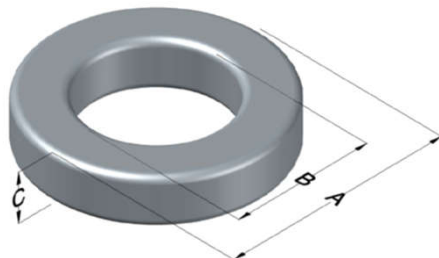




0077869A7

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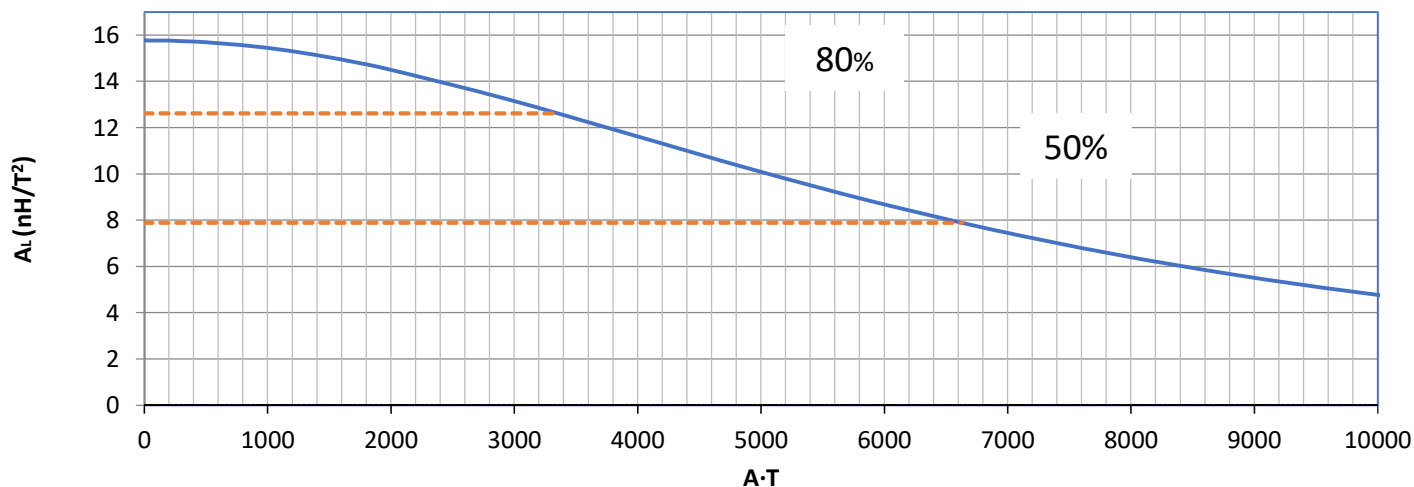
Kool M μ Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
14	16 $\pm$ 8%	XXXXXX	77869A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.94	3.108	max	Cardboard cut-outs Box Qty= 45 pcs
ID (B)	49.23	1.938	48.21	1.898	min	
HT (C)	12.70	0.500	13.84	0.545	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)
1200	80%	50%	3000	141.0	1,830	176	196.1	34,500	183
	175	350							

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	88.9	Coating Temp (Continuous up to): 200°C
					HT	28.8	
				Completely Full Window	Max OD	93.9	Notes:
					Max HT	48.8	
				0%	58.4	40%	
20%	70.9	45%	86.9				
25%	73.8	50%	90.1				
30%	76.4	60%	97.7 <th colspan="2">Unwound Core</th> <td>12,000</td>	Unwound Core		12,000	
35%	80.3	70%	106 <th colspan="2">40% Winding Factor</th> <td>22,000</td>	40% Winding Factor		22,000	

Typical DC Bias Performance



Revision 3/3/2022