0059059A2S01

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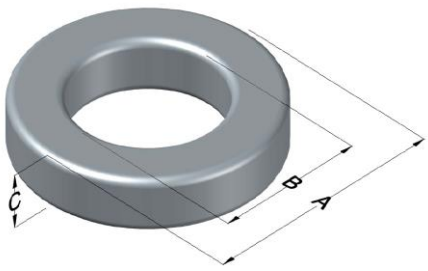
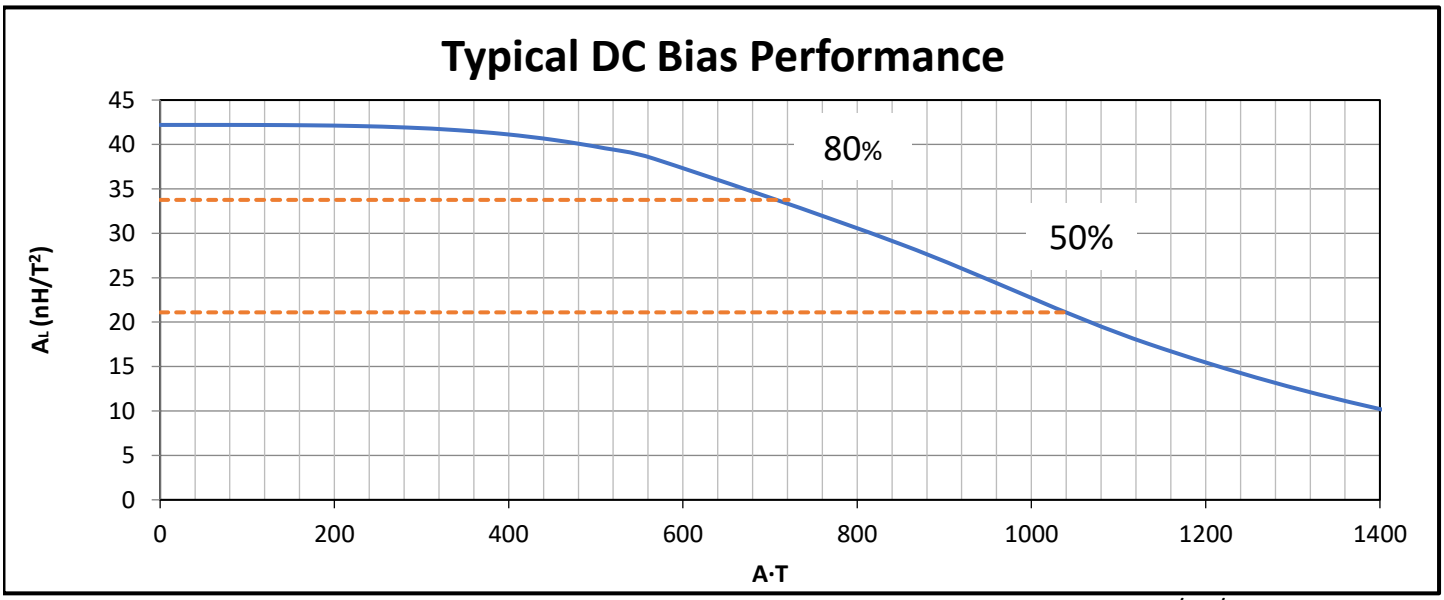


High Bias Edge Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	42 ± 8%	XXXXXX	59059A2S01	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	22.86	0.900	23.62	0.930	max	Cardboard cut-outs Box Qty = TBD
ID (B)	13.97	0.550	13.34	0.525	min	
HT (C)	7.62	0.300	8.38	0.330	max	

Electrical Characeristics			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)
	80%	50%							
700	130	200	2000	39.0	140	31.7	56.7	1,800	14.6

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	26.4	Coating Temp (Continuous up to): 200°C
					HT	12.6	
0%	27.0	40%	33.9	Completely Full Window	Max OD	27.8	Notes:
20%	30.5	45%	35.0		Max HT	18.2	
25%	31.3	50%	35.9	Surface Area (mm^2)			
30%	32.0	60%	38.0	Unwound Core		1,600	
35%	33.1	70%	40.4	40% Winding Factor		2,400	



Revision 12/21/2023