C055093A2

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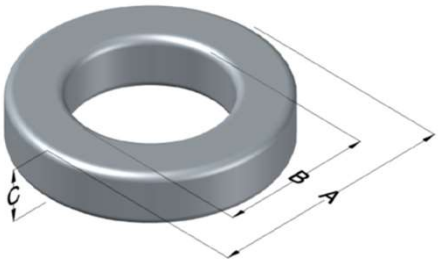


MPP Permeability (μ)	A_L (nH/T^2)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	128 ± 8%	XXXXXX	55093A2	X	Grey

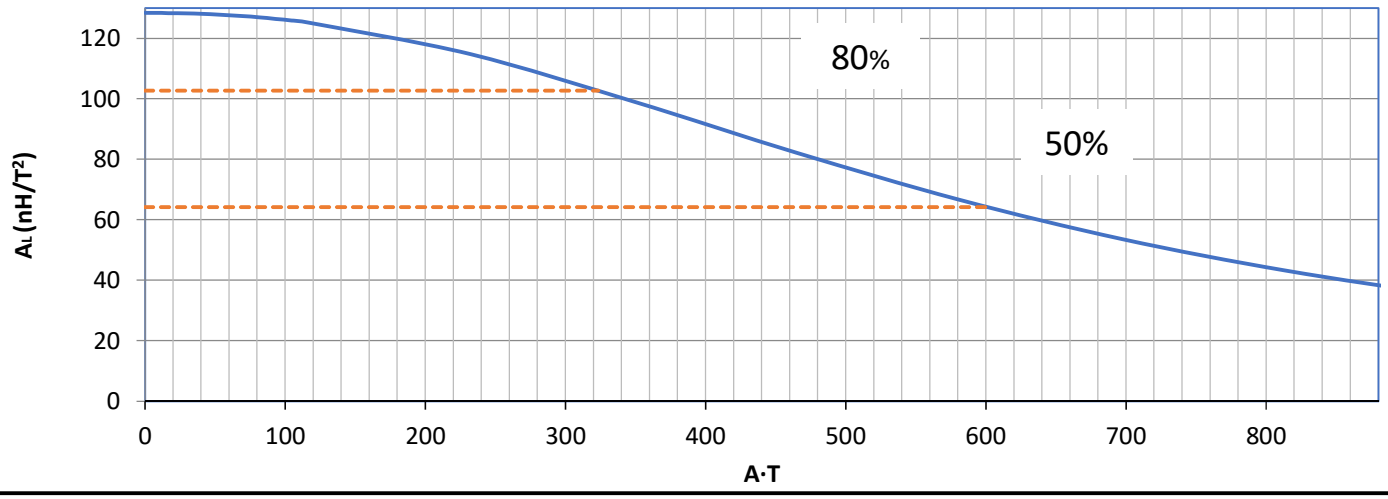
Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	46.74	1.840	47.63	1.875	max	Cardboard cut-outs Box Qty= 120 pcs
ID (B)	28.70	1.130	27.89	1.098	min	
HT (C)	15.24	0.600	16.13	0.635	max	

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)	Weight (g)
	80%	50%							
800	30	55	3000	99.0	611	132	116.2	15,300	117

Winding Information				Temperature Rating
Winding Length Per Turn				Curie Temp: 460°C
Winding Factor	(mm)	Winding Factor	(mm)	Coating Temp (Continuous up to): 200°C
0%	52.0	40%	66.1	Notes:
20%	59.3	45%	68.4	
25%	60.9	50%	70.3	
30%	62.6	60%	74.8	
35%	64.6	70%	79.6	

Wound Coil Dimensions (mm)		
40% Winding Factor	OD	53.2
	HT	24.5
Completely Full Window	Max OD	56.0
	Max HT	35.7
Surface Area (mm^2)		
Unwound Core		6,200
40% Winding Factor		9,500

Typical DC Bias Performance



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