C055047W4

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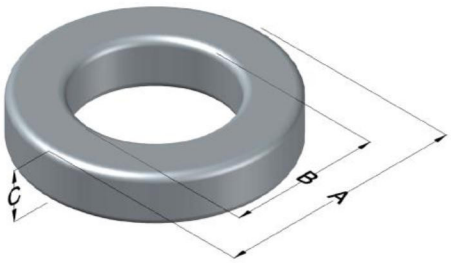


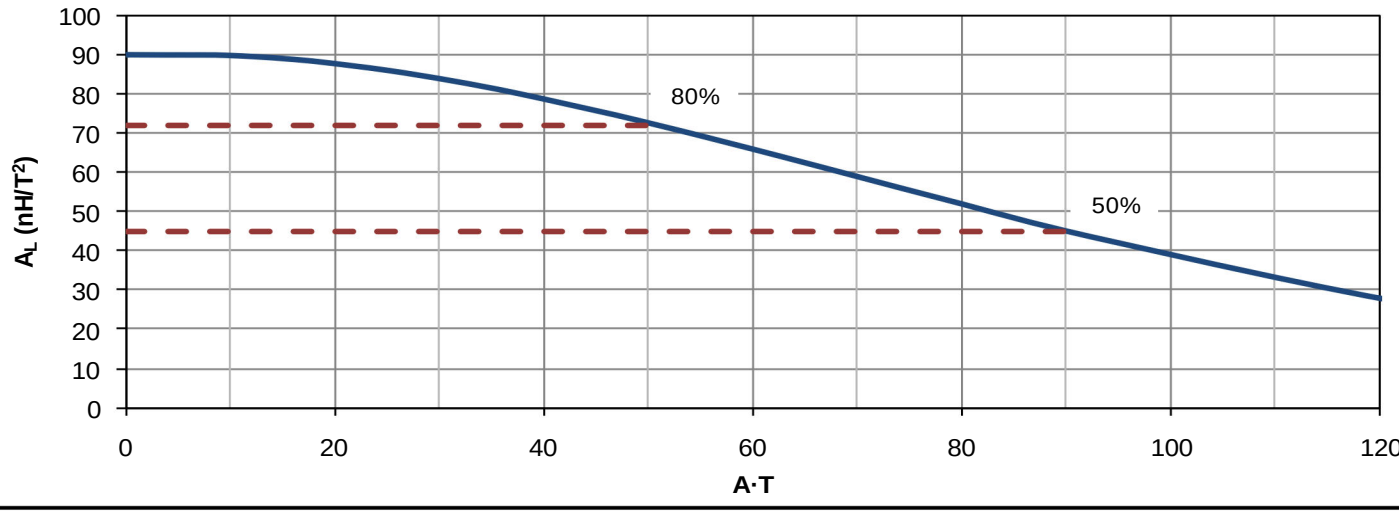
MPP Permeability (μ)	A_L (nH/T²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
200	90 ± 8%	XXXXXX	047W4	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	12.70	0.500	13.46	0.530	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	7.62	0.300	6.99	0.275	min	
HT (C)	4.75	0.187	5.51	0.217	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%							
1050	15.0	28.0	1250	15.0	38.3	10.9	31.2	340	3.1930

Winding Information						Temperature Rating
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 460 ˚C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD 14.6 HT 7.66	Coating Temp (Continuous up to): 200 ˚C
0%	17.5	40%	21.1	Completely Full Window	Max OD 18.2 Max HT 11.5	Notes:
20%	19.3	45%	21.7	Surface Area (mm²)		W4 stabilization: Controlled stabilization with Inductance stability limits of +/- 0.25% over temperature range -55°C to +85°C measured at low drive level (<10mT). For power inductors use standard stabilization, A2.
25%	19.8	50%	22.1	Unwound Core	560	
30%	20.1	60%	23.2	40% Winding Factor	800	
35%	20.7	70%	24.5			

Typical DC Bias Performance



Revision 10/5/2021