C055204W4

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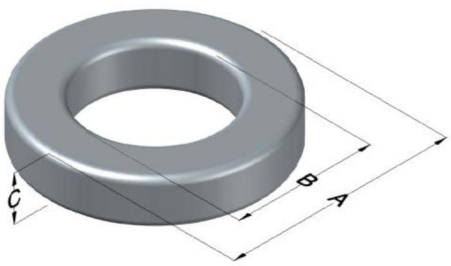


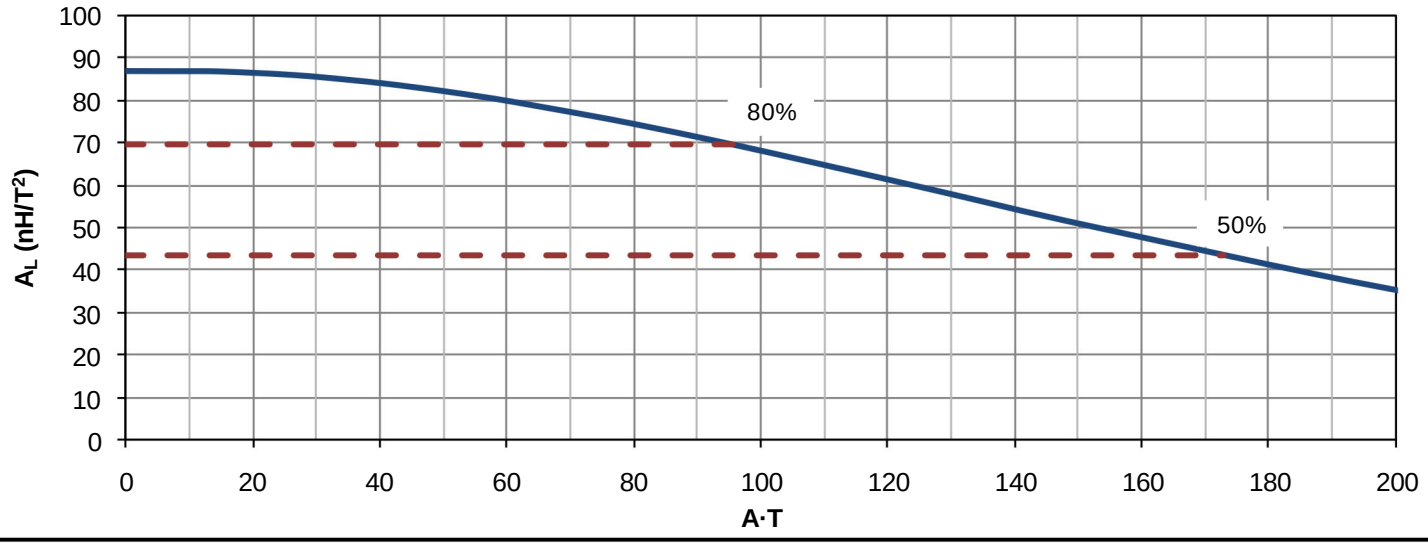
MPP Permeability (μ)	A_L (nH/T²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
160	87 ± 8%	XXXXXX	55204M4	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	20.32	0.800	21.08	0.830	max	Bulk Pack 4 bags/box Box Qty= 1600 pcs
ID (B)	12.70	0.500	12.07	0.475	min	
HT (C)	6.35	0.250	7.11	0.280	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	21.0	39.0	>2000	29.0	114	22.1	50.9	1,120	9.5880

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 22.9	Coating Temp (Continuous to): 200 ˚C
					HT 10.7	Notes:
0%	23.2	40%	29.3	Completely Full Window	Max OD 29.2	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.
20%	26.3	45%	30.3		Max HT 17.4	
25%	27.0	50%	31.2	Surface Area (mm²)		
30%	27.8	60%	32.9	Unwound Core	1,200	
35%	28.6	70%	35.1	40% Winding Factor	1,900	

Typical DC Bias Performance



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