



C058205A2

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High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
147	81 ± 8%	XXXXXX	58205A2	X	Khaki

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/cm ³)	DC Bias typical (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%							
1500	38.0	65.0	>2000	29.0	114	22.1	50.9	1,120	9.0780

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	22.9
					HT	10.7
0%	23.2	40%	29.3	Completely Full Window	Max OD	29.2
20%	26.3	45%	30.3		Max HT	17.4
25%	27.0	50%	31.2	Surface Area (mm ²)		
30%	27.8	60%	32.9	Unwound Core	1,200	
35%	28.6	70%	35.1	40% Winding Factor	1,900	
Notes:						
Coating Temp (Continuous up to): 200°C						

Typical DC Bias Performance

