



C058020A2

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High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	50 ± 8%	XXXXXX	020	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	6.35	0.250	6.99	0.275	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	2.79	0.110	2.29	0.090	min	
HT (C)	2.79	0.110	3.43	0.135	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 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%							
1000	46.0	81.0	1250	7.3	4.08	4.70	13.6	64.0	0.5500

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		Coating Temp (Continuous up to): 200°C
				OD	7.34	Notes:
				HT	4.12	
				Max OD	8.81	
				Max HT	5.38	
0%	11.6	40%	12.8	Surface Area (mm ²)		
20%	12.2	45%	12.9	Unwound Core		170
25%	12.3	50%	13.1	40% Winding Factor		200
30%	12.4	60%	13.4			
35%	12.6	70%	13.9			

Typical DC Bias Performance

