



0059120A2

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Edge Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	72 ± 8%	XXXXXX	59120A2	X	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	16.59	0.653	17.27	0.680	max	Bulk Pack 4 bags/box Box Qty= 2000 pcs
ID (B)	10.16	0.400	9.53	0.375	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 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%							
700	55	90	1500	23.0	71.2	19.2	41.2	791	6.3000

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	18.8
					HT	10.1
				Completely Full Window	Max OD	23.7
					Max HT	15.2
0%	22.0	40%	26.8	Surface Area (mm ²)		
20%	24.4	45%	27.6			
25%	25.0	50%	28.3	Unwound Core		
30%	25.6	60%	29.7			
35%	26.2	70%	31.4	40% Winding Factor		
				920		
				1,300		
Notes:						
Coating Temp (Continuous up to): 200°C						

Typical DC Bias Performance

