



# C058120A2

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High Flux Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	72 ± 8%	XXXXXX	58120A2	X	Khaki

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 <sup>3</sup> )	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V <sub>AC</sub> )	Break Strength min (kg)	Window Area W <sub>A</sub> (mm <sup>2</sup> )	Cross Section A <sub>e</sub> (mm <sup>2</sup> )	Path Length L <sub>e</sub> (mm)	Volume V <sub>e</sub> (mm <sup>3</sup> )	Weight (g)
	80%	50%							
1000	46.0	81.0	1250	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 <sup>2</sup> )			
20%	24.4	45%	27.6				
25%	25.0	50%	28.3	Unwound Core			
30%	25.6	60%	29.7	920			
35%	26.2	70%	31.4	40% Winding Factor			
				1,300			
							Coating Temp (Continuous up to): 200°C
							Notes:

## Typical DC Bias Performance

