



# C058109A2

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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	156 ± 8%	XXXXXX	58109A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	57.15	2.250	58.04	2.285	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	35.56	1.400	34.75	1.368	min	
HT (C)	13.97	0.550	14.86	0.585	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	2000	106	948	144	143	20,700	170

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	63.5
					HT	25.9
0%	53.0	40%	71.0	Completely Full Window	Max OD	81.3
20%	61.9	45%	73.2		Max HT	44.4
25%	64.3	50%	76.0	Surface Area (mm <sup>2</sup> )		
30%	65.8	60%	81.3	Unwound Core	7,700	
35%	68.7	70%	87.1	40% Winding Factor	13,000	
Coating Temp (Continuous up to): 200°C						
Notes:						

