



# C058548A2

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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	127 $\pm$ 8%	XXXXXX	58548A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	32.80	1.291	33.66	1.325	max	Cardboard cut-outs Box Qty= 250 pcs
ID (B)	20.1	0.791	19.4	0.766	min	
HT (C)	10.7	0.420	11.5	0.450	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)
	1000	80%							
	46.0	81.0							

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	36.8	Notes:
0%	37.4	40%	47.2	HT	17.8	
				Completely Full Window		
20%	42.4	45%	48.8	Max HT	28.0	
25%	43.5	50%	50.1	Surface Area (mm <sup>2</sup> )		
30%	44.7	60%	53.2	Unwound Core	3,100	
35%	46.1	70%	56.7	40% Winding Factor	4,900	

