



# C058866A2

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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	142 $\pm$ 8%	XXXXXX	58866A7	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.95	3.108	max	Cardboard cut-outs Box Qty= 45 pcs
ID (B)	49.20	1.938	48.20	1.898	min	
HT (C)	12.7	0.500	13.9	0.545	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)
	1450	80%							
	36.0	72.0							

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 460°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 200°C
				OD	86.6	Notes:
				HT	29.1	
				Max OD	112	
				Max HT	54.3	
0%	58.4	40%	83.5	Surface Area (mm <sup>2</sup> )		
20%	70.9	45%	86.7	Unwound Core		11,000
25%	74.1	50%	90.4	40% Winding Factor		23,000
30%	76.3	60%	98.1			
35%	80.4	70%	107			

