



**0058778A2**

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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	425 ± 8%	XXXXXX	58778A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.94	3.108	max	Cardboard cut-outs
ID (B)	39.34	1.549	38.33	1.509	min	
HT (C)	25.86	1.018	26.85	1.057	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	81	3000	141.0	1,150	478	170	81,500	692

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	84.6
					HT	38.9
0%	94.3	40%	114	Completely Full Window	Max OD	105
20%	104	45%	117		Max HT	58.9
25%	107	50%	120	Surface Area (mm <sup>2</sup> )		
30%	109	60%	126	Unwound Core		17,000
35%	112	70%	132	40% Winding Factor		25,000
Coating Temp (Continuous up to): 200°C						
Notes:						

