



**0059721A2**

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Edge Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	49 ± 8%	XXXXXX	59721A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	50.80	2.000	51.69	2.035	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	31.75	1.250	30.94	1.218	min	
HT (C)	13.46	0.530	14.35	0.565	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 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> )	Est. Weight (g)
	80%	50%							
625	150	250	3000	93.0	752	125	127.3	15,900	116

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	58.1
					HT	24.0
0%	49.5	40%	65.3	Completely Full Window	Max OD	61.3
20%	57.5	45%	67.8		Max HT	36.8
25%	59.4	50%	69.8	Surface Area (mm <sup>2</sup> )		
30%	61.1	60%	74.7	Unwound Core	6,400	
35%	63.5	70%	80.3	40% Winding Factor	11,000	
Notes:						
Coating Temp (Continuous up to): 200°C						

