



**0059590A2**

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Edge Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
75	47 ± 8%	XXXXXX	59590A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	34.29	1.350	35.18	1.385	max	Cardboard cut-outs Box Qty= 300 pcs
ID (B)	23.37	0.920	22.56	0.888	min	
HT (C)	8.89	0.350	9.78	0.385	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> )	Weight (g)
	80%	50%							
600	85	130	3000	54.0	400	46.4	89.5	4,150	26.4

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	40.0
					HT	17.0
0%	32.2	40%	43.9	Completely Full Window	Max OD	42.4
20%	38.1	45%	45.7		Max HT	26.6
25%	39.5	50%	47.2	Surface Area (mm <sup>2</sup> )		
30%	40.7	60%	50.8	Unwound Core		2,900
35%	42.5	70%	55.0	40% Winding Factor		5,100
Coating Temp (Continuous up to): 200°C						
Notes:						

