



0059912A2

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Edge Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	57 \pm 8%	XXXXXX	59912A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.94	3.108	max	Cardboard cut-outs Box Qty= 40 pcs
ID (B)	49.23	1.938	48.21	1.898	min	
HT (C)	15.88	0.625	17.02	0.670	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 100mT max (mW/cm ³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _a (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Est. Weight (g)
	80%	50%							
625	150	250	3000	141.0	1,830	221	196.1	43,400	316

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	88.9	Coating Temp (Continuous up to): 200°C
					HT	32.0	
0%	64.8	40%	89.4	Completely Full Window	Max OD	93.9	Notes:
20%	77.3	45%	93.2		Max HT	52.0	
25%	80.2	50%	96.5	Surface Area (mm ²)			
30%	82.8	60%	104	Unwound Core	13,000		
35%	86.7	70%	113	40% Winding Factor	23,000		

