



0059589A2

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Edge Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	57 ± 8%	XXXXXX	59589A2	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 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)	Weight (g)
	700	80%							
	75	115	3000	54.0	400	46.4	89.5	4,150	26.8

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 ²)		
30%	40.7	60%	50.8	Unwound Core		2,900
35%	42.5	70%	55.0	40% Winding Factor		5,100
Notes:						
Coating Temp (Continuous up to): 200°C						

