



0058555A2

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High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	41 ± 8%	XXXXXX	58555A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	32.79	1.291	33.66	1.325	max	Cardboard cut-outs Box Qty= 250 pcs
ID (B)	20.09	0.791	19.46	0.766	min	
HT (C)	10.67	0.420	11.43	0.450	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%							
950	110	215	3000	79.0	297	65.6	81.4	5,340	41.4

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	37.7
					HT	17.4
0%	37.1	40%	47.1	Completely Full Window	Max OD	39.7
					Max HT	25.4
20%	42.1	45%	48.7	Surface Area (mm ²)		Notes:
25%	43.3	50%	50.0			
30%	44.5	60%	53.2	Unwound Core	3,100	
35%	46.0	70%	56.7	40% Winding Factor	4,700	
Coating Temp (Continuous up to): 200°C						

