



0058776A2

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High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	135 ± 8%	XXXXXX	58776A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.95	3.108	max	Cardboard cut-outs
ID (B)	39.34	1.549	38.34	1.509	min	
HT (C)	25.85	1.018	26.85	1.057	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 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)
	80%	50%							
2200	110	215	2000	141.0	1,150	478	170	81,500	550

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	91.0
					HT	45.4
0%	94.3	40%	114	Completely Full Window	Max OD	117
					Max HT	69.3
20%	104	45%	117	Surface Area (mm ²)		Notes:
25%	107	50%	120			
30%	109	60%	126			
35%	112	70%	132			
				Unwound Core	19,000	
				40% Winding Factor	32,000	
						Coating Temp (Continuous up to): 200°C

Typical DC Bias Performance

