



0058454A2

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High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	224 ± 8%	XXXXXX	58454A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	42.90	1.689	43.84	1.726	max	Cardboard cut-outs Box Qty= 120 pcs
ID (B)	24.21	0.953	23.39	0.921	min	
HT (C)	16.26	0.640	17.27	0.680	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%							
1000	46	81	3000	98.8	430	147.5	102	15100	120.8

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	47.6
					HT	24.6
0%	55.0	40%	67.1	Completely Full Window	Max OD	59.4
					Max HT	36.7
20%	61.1	45%	68.9	Surface Area (mm ²)		
25%	62.5	50%	70.8			
30%	63.8	60%	74.2			
35%	65.6	70%	78.5			
Unwound Core					5,800	
40% Winding Factor					8,400	
Notes:						
Coating Temp (Continuous up to): 200°C						

