



0078590A7

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XFLUX Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
75	47 ± 8%	XXXXXX	78590A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	34.30	1.350	35.18	1.385	max	Cardboard cut-outs Box Qty= 300 pcs
ID (B)	23.4	0.920	22.5	0.888	min	
HT (C)	8.89	0.350	9.78	0.385	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 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%							
700	63.0	120	2000	54.0	399	46.4	89.5	4,150	30

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 700°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 200°C
				OD	40.5	Notes:
				HT	16.8	
				Max OD	50.1	
				Max HT	29.0	
				Surface Area (mm ²)		
				Unwound Core	2,900	
				40% Winding Factor	5,500	
0%	32.2	40%	44.0			
20%	38.1	45%	45.6			
25%	39.6	50%	47.3			
30%	40.6	60%	50.8			
35%	42.5	70%	54.9			

