



0078847A7

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XFLUX Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	21 \pm 8%	XXXXXX	78847A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	20.3	0.800	21.1	0.830	max	Bulk Pack 4 bags/box Box Qty= 1600 pcs
ID (B)	12.7	0.500	12.0	0.475	Min	
HT (C)	6.35	0.250	7.12	0.280	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%	60%							
850	120	230	1000	29.0	114	22.1	50.9	1,120	8.8

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	22.9	Notes:
0%	23.3	40%	29.5	HT	10.7	
				Max OD	29.2	
20%	26.4	45%	30.5	Max HT	17.4	
25%	27.2	50%	31.3	Surface Area (mm ²)		
30%	27.8	60%	33.2	Unwound Core	1,200	
35%	28.8	70%	35.4	40% Winding Factor	1,900	

