



0078056A7

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XFLUX Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	18 ± 8%	XXXXXX	78056A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	12.70	0.500	13.46	0.530	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	7.62	0.300	6.99	0.275	min	
HT (C)	4.75	0.187	5.51	0.217	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%							
850	120	230	1250	15.0	38.3	10.9	31.2	340	2.7000

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	14.6	
				HT	7.66	Notes:
				Completely Full Window		
				Max OD	18.2	
				Max HT	11.5	
0%	17.5	40%	21.1	Surface Area (mm ²)		
20%	19.3	45%	21.7	Unwound Core		
25%	19.8	50%	22.1	40% Winding Factor		
30%	20.1	60%	23.2			
35%	20.7	70%	24.5			

Typical DC Bias Performance

