



0078083A7

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XFLUX Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	81 ± 8%	XXXXXX	78083A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	39.90	1.570	40.77	1.605	max	Cardboard cut-outs Box Qty= 180 pcs
ID (B)	24.1	0.950	23.3	0.918	min	
HT (C)	14.5	0.570	15.4	0.605	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)
	725	80%							
	80.0	150							

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	44.3	
				HT	22.4	Notes:
				Max OD	56.4	
				Max HT	35.2	
0%	48.2	40%	60.2	Completely Full Window		
20%	54.3	45%	62.1	Surface Area (mm ²)		
25%	55.8	50%	63.7			
30%	57.0	60%	67.3	Unwound Core		4,800
35%	58.8	70%	71.5	40% Winding Factor		7,300

Typical DC Bias Performance

