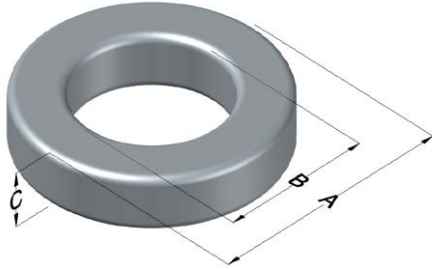




0078450A7X2

110 Delta Drive
Pittsburgh, PA 15238
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XFlux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	144 $\pm$ 8%	XXXXXX	78450A7X2	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 60 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	42.90	1.689	44.14	1.738	max	
ID (B)	24.21	0.953	22.79	0.897	min	
HT (C)	32.52	1.280	34.03	1.340	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 kHz, 100 mT 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)	Est. Weight (g)
850	80%	50%	3000	98	407	295	102	30,100	TBD
	120	230							

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	OD	48.9	Coating Temp (Continuous up to): 200°C	
					HT	41.2		
				Completely Full Window	Max OD	51.3		Notes:
					Max HT	50.8		
				Surface Area (mm ²)				
Unwound Core		9,400						
40% Winding Factor		12,000						
0%	89.4	40%	101					
20%	95.4	45%	103					
25%	96.8	50%	105					
30%	98.0	60%	108					
35%	99.8	70%	112					

Typical DC Bias Performance

