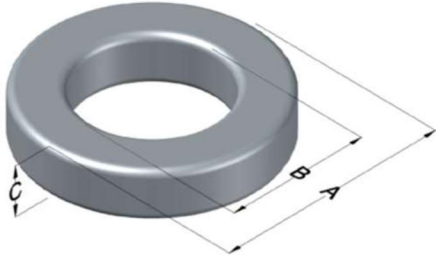




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Xflux Si Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	49 $\pm$ 8%	XXXXXX	78721A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 90 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	50.80	2.000	51.69	2.035	max	
ID (B)	31.75	1.250	30.94	1.218	min	
HT (C)	13.46	0.530	14.35	0.565	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50kHz, 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)
925	80%	50%	3000	93.0	752	123	127.3	15,600	114
	140	250							

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	58.1	Coating Temp (Continuous up to): 200°C
					HT	24.0	
	Completely Full Window	Max OD	61.3	Notes:			
		Max HT	36.8				
	0%	49.5	40%		65.3	Surface Area (mm ²)	
20%	57.5	45%	67.8				
25%	59.4	50%	69.8				
30%	61.1	60%	74.7	Unwound Core		6,400	
35%	63.5	70%	80.3	40% Winding Factor		11,000	

Typical DC Bias Performance

