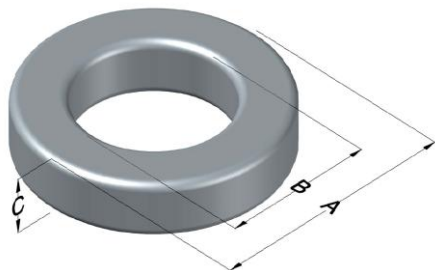




0078189A7SX2

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High Bias XFlux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	184 $\pm$ 8%	XXXXXX	78189A7SX2	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 40 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	57.15	2.250	58.35	2.297	max	
ID (B)	26.39	1.039	25.36	0.998	min	
HT (C)	30.48	1.200	31.87	1.255	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)
	80%	50%	3000	274	505	457.6	125.1	57,200	TBD
925	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	63.6	Coating Temp (Continuous up to): 200°C
					HT	39.7	
				Completely Full Window	Max OD	63.6	Notes:
					Max HT	50.1	
0%	96.7	40%	110	Surface Area (mm ²)			
20%	103	45%	112				
25%	105	50%	113				
30%	106	60%	117	Unwound Core		13,000	
35%	108	70%	122	40% Winding Factor		16,000	

Typical DC Bias Performance

