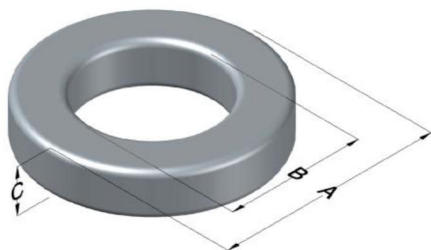




0078591A7S01

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X _{FLUX} Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	25 $\pm$ 8%	XXXXXX	78591A7S01	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 300 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	34.29	1.350	35.18	1.385	max	
ID (B)	23.37	0.920	22.56	0.888	min	
HT (C)	8.89	0.350	9.78	0.385	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)
925	80%	50%	3000	54	399	46.4	89.5	4,150	30
	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	Coating Temp (Continuous up to): 200°C	
					HT	Notes:	
0%	32.2	40%	44.0	Completely Full Window	Max OD		
20%	38.1	45%	45.6		Max HT		
25%	39.6	50%	47.3	Surface Area (mm ²)			
30%	40.6	60%	50.8				
35%	42.5	70%	54.9	Unwound Core	2,900		
				40% Winding Factor	5,500		

Typical DC Bias Performance

