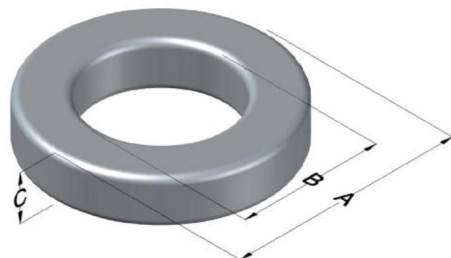




0078056A7S01

110 Delta Drive
Pittsburgh, PA 15238
NAFTA Sales: (1)800-245-3984
HK Sales : (852)3102-9337
magnetics@spang.com
www.mag-inc.com



XFLUX Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	18 $\pm$ 8%	XXXXXX	78056A7S01	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging Bulk Pack 4 bags/box Box Qty= 5000 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	12.70	0.500	13.46	0.530	max	
ID (B)	7.62	0.300	6.99	0.275	min	
HT (C)	4.75	0.187	5.51	0.217	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 kHz, 100mT max(mW/cm³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm²)	Cross Section A _e (mm²)	Path Length L _e (mm)	Volume V _e (mm³)	Weight (g)
925	80%	50%	1250	15.0	38.3	10.9	31.2	340	2.7000
	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	14.6	Coating Temp (Continuous up to): 200°C
					HT	7.66	
				Completely Full Window	Max OD	18.2	Notes:
					Max HT	11.5	
0%	17.5	40%	21.1	Surface Area (mm²)			
20%	19.3	45%	21.7				
25%	19.8	50%	22.1				
30%	20.1	60%	23.2	Unwound Core		560	
35%	20.7	70%	24.5	40% Winding Factor		800	

Typical DC Bias Performance

