



**0078212A7X2**

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 ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	100 $\pm$ 8%	XXXXXX	78212A7X2	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	57.15	2.250	58.34	2.297	max	Cardboard cut-outs Box Qty = TBD
ID (B)	35.56	1.400	34.15	1.344	min	
HT (C)	27.94	1.100	29.33	1.155	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50kHz, 100mT max (mW/cm <sup>3</sup> )	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V <sub>AC</sub> )	Break Strength min (kg)	Window Area W <sub>a</sub> (mm <sup>2</sup> )	Cross Section A <sub>e</sub> (mm <sup>2</sup> )	Path Length L <sub>e</sub> (mm)	Volume V <sub>e</sub> (mm <sup>3</sup> )	Weight (g)
	80%	50%							
850	120	230	3000	107.0	916	289	143.0	41,300	303

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	65.5
					HT	40.1
0%	82.9	40%	100	Completely Full Window	Max OD	69.1
20%	91.6	45%	103		Max HT	54.5
25%	93.8	50%	105	Surface Area (mm <sup>2</sup> )		
30%	95.5	60%	111	Unwound Core	12,000	
35%	98.3	70%	117	40% Winding Factor	17,000	
Coating Temp (Continuous up to): 200°C						
Notes:						

