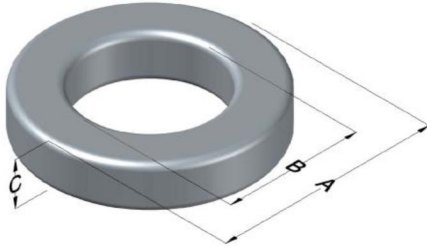




**0058620A2**

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



High Flux Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	394 ± 8%	XXXXXX	58620A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	61.98	2.440	63.09	2.484	max	Cardboard cut-outs Box Qty= 45 pcs
ID (B)	32.59	1.283	31.70	1.248	min	
HT (C)	24.99	0.984	25.91	1.020	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 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%							
1000	46	81	3000	193.0	789	360	144	51,800	440

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD	75.3
					HT	39.7
				Completely Full Window	Max OD	81.4
					Max HT	47.4
				Surface Area (mm <sup>2</sup> )		Notes:  *Watt Loss guaranteed by material qualification at 100 kHz, 100 mT and core testing at reduced drive level.
				Unwound Core	12,000	
				40% Winding Factor	21,000	
0%	83.0	40%	99.5			
20%	91.3	45%	102			
25%	93.4	50%	104			
30%	94.9	60%	109			
35%	97.5	70%	115			

