



**0058725A2**

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	366 ± 8%	XXXXXX	58725A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	50.55	1.990	51.31	2.020	max	Cardboard cut-outs Box Qty= 70 pcs
ID (B)	24.77	0.980	23.88	0.945	min	
HT (C)	20.83	0.80	21.59	0.850	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	46.0	81.0	3000	95.0	452	262	113.5	29,700	230

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		Coating Temp (Continuous up to): 200°C
				OD	55.0	Notes:
0%	70.7	40%	82.8	HT	29.0	
				Completely Full Window	Max OD	
20%	76.9	45%	84.8	Max HT	41.0	
25%	78.3	50%	86.6	Surface Area (mm <sup>2</sup> )		
30%	79.7	60%	90.1	Unwound Core	8,300	
35%	81.5	70%	94.4	40% Winding Factor	11,500	

