



**0059539A2**

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



Edge Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	156 ± 8%	XXXXXX	59539A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	54.00	2.125	54.90	2.161	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	29.00	1.141	28.10	1.106	min	
HT (C)	14.40	0.567	15.30	0.602	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 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> )	Est. Weight (g)
	700	80%							
	75	115	3000	113.0	620	174	126	22,000	131

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	60.9
					HT	24.3
0%	57.4	40%	72.0	Completely Full Window	Max OD	63.9
					Max HT	36.3
20%	64.7	45%	74.0	Surface Area (mm <sup>2</sup> )		Notes:
25%	66.5	50%	76.1			
30%	67.9	60%	80.5	Unwound Core	7,500	
35%	70.2	70%	85.5	40% Winding Factor	11,000	
						Coating Temp (Continuous up to): 200°C

