



**0055341A2**

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



MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
147	380 $\pm$ 8%	XXXXXX	55341A2	N/A	Grey

Dimensions	Uncoated		Coated Limits		Packaging
	(mm)	(in)	(mm)	(in)	
OD (A)	132.56	5.219	133.96	5.274	max
ID (B)	78.59	3.094	77.19	3.039	min
HT (C)	25.40	1.000	26.80	1.055	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%							
900	23.0	43.0	3000	227.0	4,710	678	324	220,000	2,100

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 460°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 200°C
				OD	146	Notes:
0%	110	40%	150	HT	50.7	
				Max OD	179	
20%	130	45%	156	Max HT	78.8	
25%	135	50%	162	Surface Area (mm <sup>2</sup> )		
30%	139	60%	173	Unwound Core	36,000	
35%	145	70%	187	40% Winding Factor	65,000	

**Typical DC Bias Performance**

