



**0059772A2**

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



Edge Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
19	64 ± 8%	XXXXXX	59772A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	77.80	3.063	78.94	3.108	max	Cardboard cut-outs Box Qty= 25 pcs
ID (B)	39.34	1.549	38.33	1.509	min	
HT (C)	25.86	1.018	26.85	1.057	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)
	80%	50%							
900	310	500	3000	141.0	1,150	492	177.2	87,100	459

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	86.9
					HT	38.9
0%	94.3	40%	114	Completely Full Window	Max OD	86.9
20%	104	45%	117		Max HT	54.9
25%	107	50%	119	Surface Area (mm <sup>2</sup> )		
30%	109	60%	125	Unwound Core		17,000
35%	112	70%	132	40% Winding Factor		25,000
Coating Temp (Continuous up to): 200°C						
Notes:						

