



0059552A2

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 (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	91 ± 8%	XXXXXX	59552A2	N/A	Green

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	32.79	1.291	33.66	1.325	max	Cardboard cut-outs Box Qty= 250 pcs
ID (B)	20.09	0.791	19.46	0.766	min	
HT (C)	10.67	0.420	11.43	0.450	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 100mT max (mW/cm ³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _a (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	700	80%							
	75	115	3000	79.0	297	65.6	81.4	5,340	33.9

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	37.7
					HT	17.4
0%	37.1	40%	47.1	Completely Full Window	Max OD	39.7
20%	42.1	45%	48.7		Max HT	25.4
25%	43.3	50%	50.0	Surface Area (mm ²)		
30%	44.5	60%	53.2	Unwound Core	3,100	
35%	46.0	70%	56.7	40% Winding Factor	4,700	
Coating Temp (Continuous up to): 200°C						
Notes:						

