



0055534A2

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



MPP Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
19	33 ± 8%	XXXXXX	55534A2	N/A	Grey

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 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)	Est. Weight (g)
	80%	50%							
1600	190	320	3000	113.0	620	174	126	22,000	136

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	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 ²)		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						

