



0055906A2

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 (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	177 \pm 8%	XXXXXX	55906A2	N/A	Gray

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= 40 pcs
ID (B)	49.23	1.938	48.21	1.898	min	
HT (C)	15.88	0.625	17.02	0.670	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 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)
	80%	50%							
850	25	48.5	3000	140.0	1,820	221	196	43,400	350

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	86.6	Coating Temp (Continuous up to): 200°C	
				HT	32.3				
				Completely Full Window		Max OD	113	Notes:	
						Max HT	57.7		
				Surface Area (mm ²)					
				Unwound Core		13,000			
				40% Winding Factor		24,000			
0%	64.8	40%	89.2						
20%	77.3	45%	93.2						
25%	80.1	50%	97.0						
30%	83.1	60%	104						
35%	86.5	70%	113						

