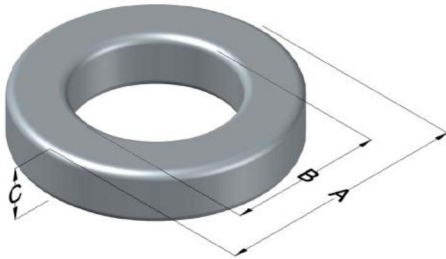




C055254W4

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	168 $\pm$ 8%	XXXXXX	55254W4	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 180 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	39.88	1.570	40.77	1.605	max	
ID (B)	24.13	0.950	23.32	0.918	min	
HT (C)	14.48	0.570	15.37	0.605	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max(mW/cm³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm²)	Cross Section A _e (mm²)	Path Length L _e (mm)	Volume V _e (mm³)	Weight (g)
850	80%	50%	3000	126	427	107	98.4	10,600	92
	25	48.5							

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	44.3	Coating Temp (Continuous to): 200 °C
					HT	22.4	
				Completely Full Window	Max OD	56.4	Notes: W4 stabilization: Controlled stabilization with Inductance stability limits of +/- 0.25% over temperature range -55°C to +85°C measured at low drive level (<10mT). For power inductors use standard stabilization, A2.
					Max HT	35.2	
0%	48.2	40%	60.2 <th colspan="3">Surface Area (mm²)</th>	Surface Area (mm²)			
20%	54.3	45%	62.1 <th colspan="3" rowspan="2"></th>				
25%	55.8	50%	63.7				
30%	57.0	60%	67.3 <th colspan="2">Unwound Core</th> <td>4,800</td>	Unwound Core		4,800	
35%	58.8	70%	71.5 <th colspan="2">40% Winding Factor</th> <td>7,300</td>	40% Winding Factor		7,300	

Typical DC Bias Performance

