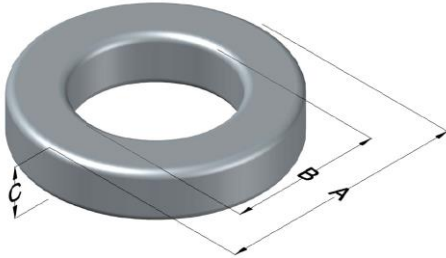




# C055204A2

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 ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
160	87 ± 8%	XXXXXX	55204A2	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	20.3	0.800	21.1	0.830	max	Bulk Pack 4 bags/box Box Qty= 1600 pcs
ID (B)	12.7	0.500	12.0	0.475	min	
HT (C)	6.35	0.250	7.12	0.280	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max(mW/cm <sup>3</sup> )	DC Bias min (A-T/cm)		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> )	Weight (g)
	80%	50%							
900	16.6	31.0	1000	17	114	22.1	50.9	1,120	9.6

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		Coating Temp (Continuous up to): 200 °C
				OD	22.9	Notes:
0%	23.3	40%	29.5	HT	10.7	
				Completely Full Window		
20%	26.4	45%	30.5	Max HT	17.4	
25%	27.2	50%	31.3	Surface Area (mm <sup>2</sup> )		
30%	27.8	60%	33.2	Unwound Core	1,200	
35%	28.8	70%	35.4	40% Winding Factor	1,900	

## Typical DC Bias Performance

