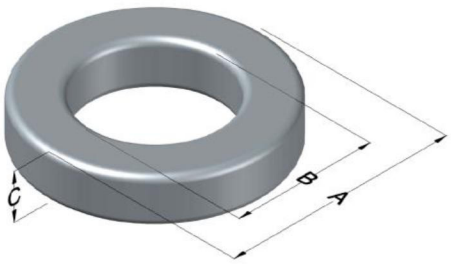
C055139A2

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/T²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
147	31 ± 8%	N/A	N/A	N/A	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	3.56	0.140	4.19	0.165	max	Bulk Pack 5 vials/box Box Qty= 7500 pcs
ID (B)	1.78	0.070	1.27	0.050	min	
HT (C)	1.52	0.060	2.16	0.085	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max(mW/cm³)	DC Bias min (A·T/cm)		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)
	80%	50%							
900	23.0	43.0	*-	1.0	1.27	1.30	8.06	10.5	0.0959

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	4.30	Coating Temp (Continuous up to): 200˚C
					HT	2.56	
0%	7.24	40%	7.89	Completely Full Window	Max OD	4.95	Notes:
20%	7.56	45%	7.98		Max HT	2.74	
25%	7.65	50%	8.08	Surface Area (mm²)			MPP cores 4.65 mm and smaller are graded into 5% bands. *No voltage breakdown min for A2 or A7 with OD ≤4.65mm
30%	7.70	60%	8.27	Unwound Core		60	
35%	7.81	70%	8.48	40% Winding Factor		70	

Typical DC Bias Performance