



0079100A7

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



Kool M μ MAX Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	74 \pm 8%	XXXXXX	79100A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	101.60	4.000	103.00	4.055	max	Cardboard cut-outs Box Qty= 25 pcs
ID (B)	57.15	2.252	55.75	2.195	min	
HT (C)	16.51	0.650	17.91	0.705	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%							
700	83	180	3000	181.0	2,470	358	243	86,900	470

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD	112
					HT	34.9
0%	82.2	40%	111	Completely Full Window	Max OD	136
20%	96.8	45%	116		Max HT	55.1
25%	100	50%	120	Surface Area (mm ²)		
30%	103	60%	128	Unwound Core		20,000
35%	108	70%	139	40% Winding Factor		36,000
Coating Temp (Continuous up to): 200°C						
Notes:						

