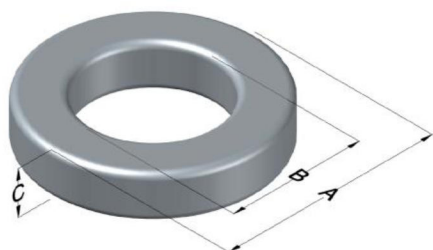




0077719A7

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 Mμ Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	109 ± 8%	XXXXXX	77719A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 90 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	50.80	2.000	51.69	2.035	max	
ID (B)	31.75	1.250	30.94	1.218	min	
HT (C)	13.46	0.530	14.35	0.565	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)
900	80%	50%	3000	93.0	751	125	127	15,900	95
	21	52							

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	56.6	Coating Temp (Continuous up to): 200°C	
					HT	24.2		
				Completely Full Window	Max OD	72.4		Notes:
					Max HT	40.6		
0%	49.5	40%	65.5	Surface Area (mm²)				
20%	57.4	45%	67.7					
25%	59.6	50%	70.1					
30%	61.0	60%	74.9	Unwound Core		6,400		
35%	63.5	70%	80.3	40% Winding Factor		11,000		

Typical DC Bias Performance

