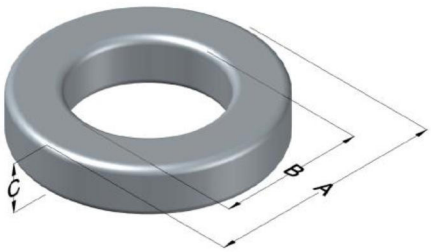
0077414A7

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

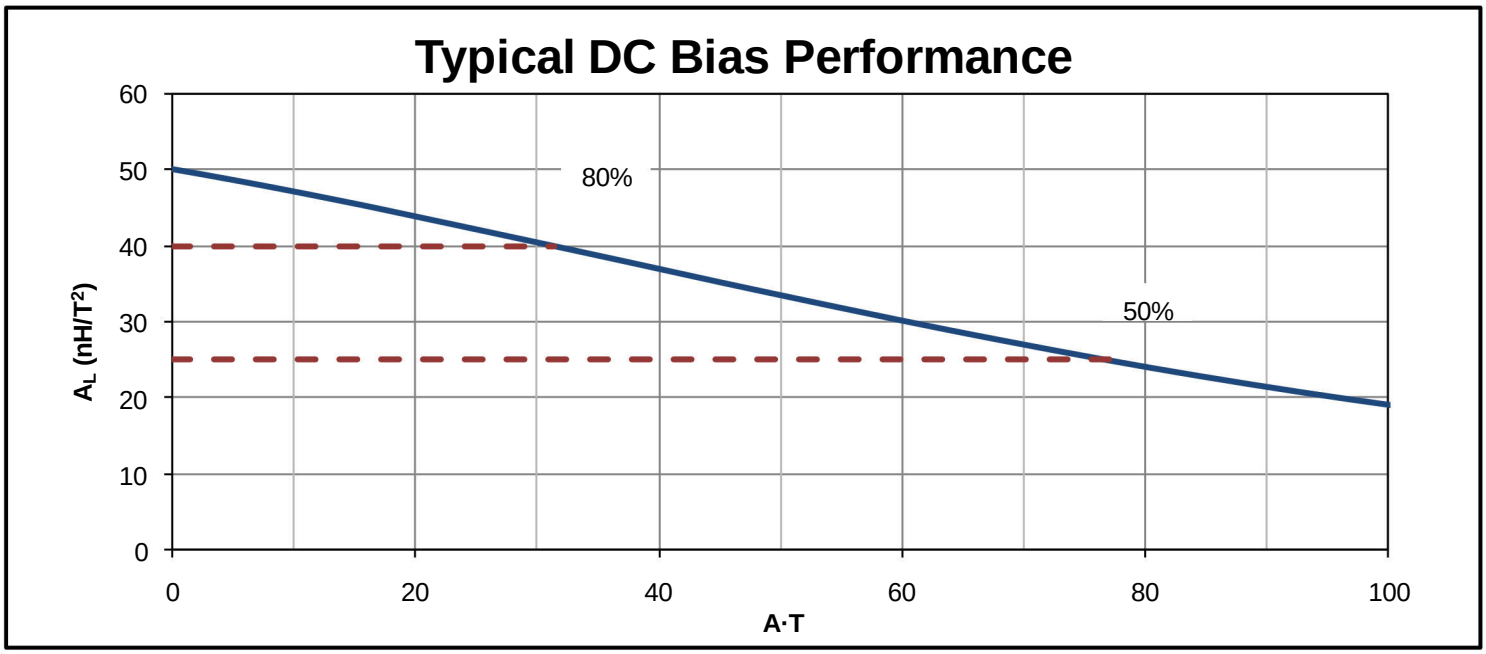


Kool Mμ Permeability (μ)	A_L (nH/T²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	50 ± 12%	XXXXXX	414	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	6.86	0.270	7.49	0.295	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	3.96	0.156	3.45	0.136	min	
HT (C)	5.08	0.200	5.72	0.225	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)
	80%	50%							
750	21.0	52.0	1250	10.0	9.35	7.25	16.5	120	0.7178

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	8.06	Coating Temp (Continuous up to): 200˚C
					HT	6.84	
				Completely Full Window	Max OD	9.6	Notes:
0%	15.5	40%	17.3		Max HT	10.0	
20%	16.4	45%	17.5	Surface Area (mm²)			
25%	16.6	50%	17.8				
30%	16.8	60%	18.3	Unwound Core	260		
35%	17.0	70%	18.9	40% Winding Factor	330		



Revision 10/6/2021