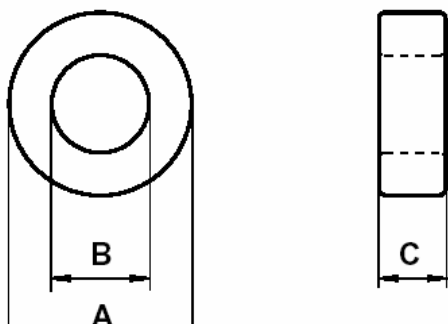




0077040A7

110 Delta Drive
Pittsburgh, PA 15238
Phone: 412/696-1333
Fax: 412/696-0333
Email: magnetics@spang.com



Core Markings

XXXXXX
lot number

040A7
part number

X
inductance

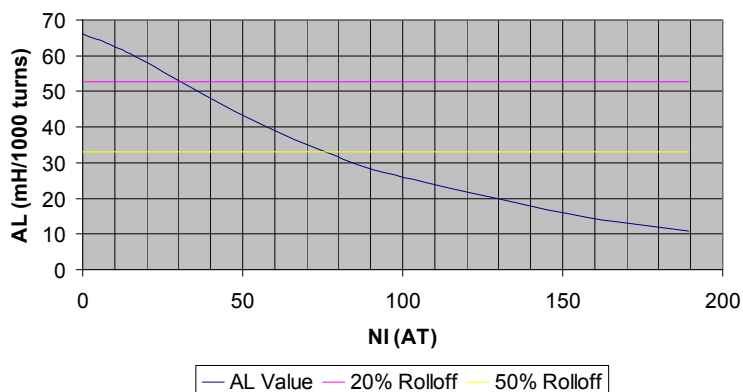
DIMENSIONS

(mm)	Uncoated	Coated
O.D. (A)	10.2	10.80
I.D. (B)	5.08	4.57
Ht. (C)	3.96	4.60

PHYSICAL CHARACTERISTICS

W _A Window Area	A _e Cross Section	L _e Path Length	V _e Volume	Weight	Box Quantity
16.4 mm ²	9.57 mm ²	23.0 mm	220.0m m ³	1.46 grams	8,000 pieces

Typical AL Values Core: 0077040A7



Permeability (μ) 125

A_L $\pm$ 12% 66

Winding Turn Length	
Winding Factor	Length/Turn (cm)
100% (Unity)	1.986
60%	1.811
40%	1.640
20%	1.566
0%	1.537

Wound Coil Dimensions	
Maximum O.D. (u.w.f.)*	14.1 mm
Maximum HT. (u.w.f.)*	8.46 mm

*u.w.f. – unity winding factor

Surface Area	
Unwound Core	3.703 cm ²
40% Winding Factor	5.1 cm ²

AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)	AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)
20	13	0.00663	30	45	0.236
21	15	0.00968	31	50	0.33
22	17	0.0139	32	56	0.457
23	19	0.0195	33	63	0.654
24	22	0.0285	34	72	0.947
25	25	0.0408	35	81	1.35
26	28	0.0579	36	91	1.9
27	31	0.0804	37	99	2.56
28	36	0.119	38	112	3.66
29	40	0.164	39	128	5.46