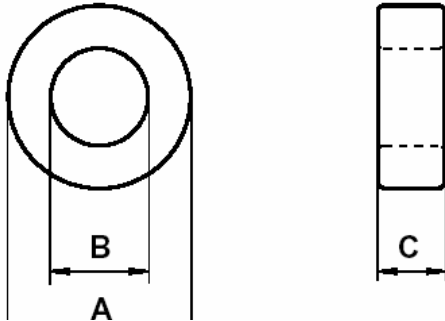




0077076A7

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



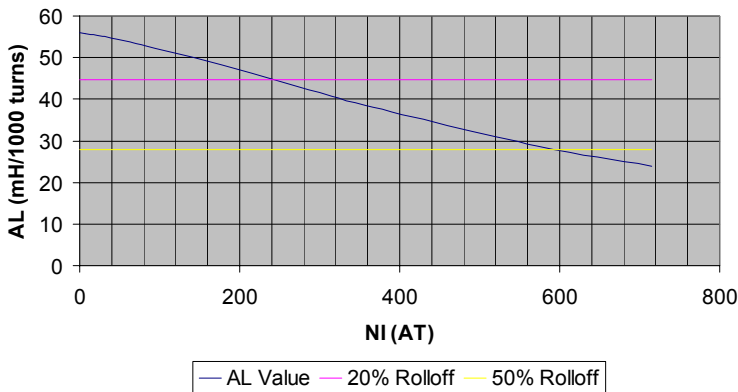
Core Markings

XXXXXX lot number
 77076A7 part number
 X inductance

DIMENSIONS		
(mm)	Uncoated	Coated
O.D. (A)	35.8	36.7
I.D. (B)	22.4	21.5
Ht. (C)	10.5	11.35

PHYSICAL CHARACTERISTICS					
W _A Window Area	A _e Cross Section	L _e Path Length	V _e Volume	Weight	Box Quantity
364.0 mm ²	67.8 mm ²	89.8 mm	6088.0 mm ³	37.4 grams	220 pieces

Typical AL Values Core: 0077076A7



Permeability (μ) **60**

A_L ± 8% **56**

Winding Turn Length	
Winding Factor	Length/Turn (cm)
100% (Unity)	6.22
60%	5.27
40%	4.34
20%	3.93
0%	3.78

Wound Coil Dimensions	
Maximum O.D. (u.w.f.)*	51.1 mm
Maximum HT. (u.w.f.)*	29.6 mm

*u.w.f. – unity winding factor

Surface Area	
Unwound Core	34.5 cm ²
40% Winding Factor	55.1 cm ²

AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)	AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)
8	17	0.00133	18	58	0.0458
9	19	0.00185	19	65	0.0648
10	22	0.01275	20	73	0.0915
11	25	0.0202	21	82	0.13
12	28	0.0319	22	93	0.187
13	32	0.0501	23	103	0.259
14	36	0.079	24	116	0.368
15	41	0.124	25	130	0.521
16	46	0.1965	26	146	0.741
17	52	0.306	27	161	1.02