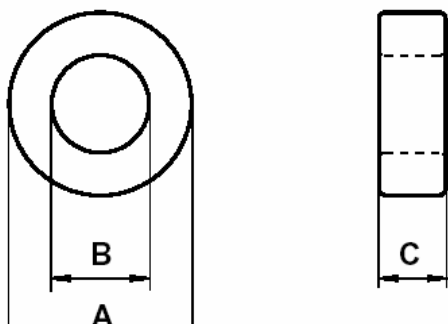




C058894A2

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



Core Markings

XXXXXX
lot number

58894A2
part number

X
inductance

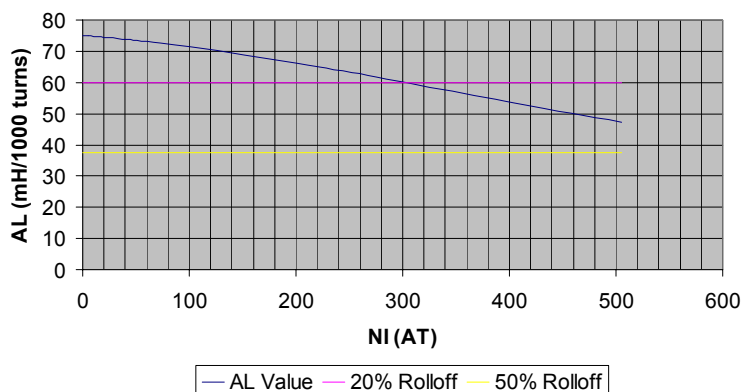
DIMENSIONS

(mm)	Uncoated	Coated
O.D. (A)	26.9	27.7
I.D. (B)	14.7	14.10
Ht. (C)	11.2	11.94

PHYSICAL CHARACTERISTICS

W _A Window Area	A _e Cross Section	L _e Path Length	V _e Volume	Weight	Box Quantity
156.0 mm ²	65.4 mm ²	63.5 mm	4,150 mm ³	35.8 grams	400 pieces

Typical AL Values Core: C058894A2



Permeability (μ) 60

A_L $\pm$ 8% 75

Winding Turn Length	
Winding Factor	Length/Turn (cm)
100% (Unity)	2.23
60%	4.66
40%	4.10
20%	3.85
0%	3.76

Wound Coil Dimensions	
Maximum O.D. (u.w.f.)*	37.3 mm
Maximum HT. (u.w.f.)*	24.0 mm

*u.w.f. – unity winding factor

Surface Area	
Unwound Core	24.7 cm ²
40% Winding Factor	33.8 cm ²

AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)	AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)
9	11	0.00107	19	42	0.0416
10	13	0.0016	20	47	0.0587
11	15	0.00233	21	53	0.0835
12	17	0.00333	22	60	0.12
13	20	0.00494	23	66	0.165
14	22	0.00685	24	75	0.237
15	25	0.0098	25	84	0.335
16	29	0.0144	26	94	0.476
17	33	0.0203	27	105	0.744
18	37	0.0291	28	117	0.942