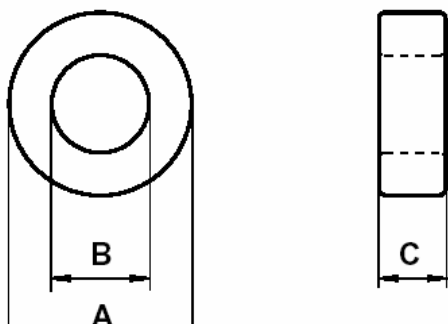




C058204A2

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



Core Markings

XXXXXX
lot number

58204A2
part number

X
inductance

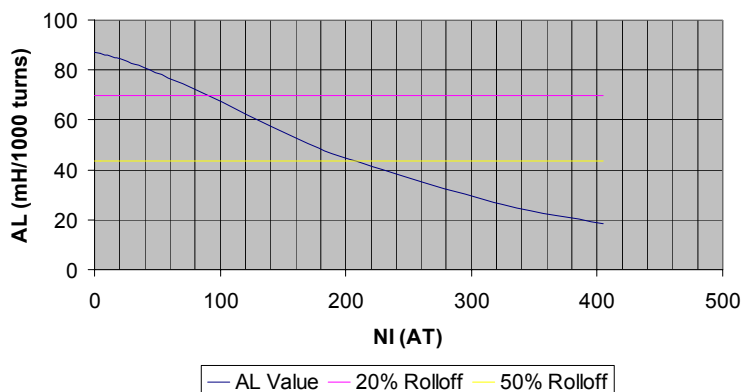
DIMENSIONS

(mm)	Uncoated	Coated
O.D. (A)	20.3	21.1
I.D. (B)	12.7	12.07
Ht. (C)	6.35	7.11

PHYSICAL CHARACTERISTICS

W _A Window Area	A _e Cross Section	L _e Path Length	V _e Volume	Weight	Box Quantity
114.0 mm ²	22.1 mm ²	50.9 mm	1,120 mm ³	8.9 grams	1,600 pieces

Typical AL Values Core: C058204A2



Permeability (μ) 160

A_L $\pm$ 8% 87

Winding Turn Length

Winding Factor	Length/Turn (cm)
100% (Unity)	3.67
60%	3.15
40%	2.64
20%	2.41
0%	2.33

Wound Coil Dimensions

Maximum O.D. (u.w.f.)*	29.2 mm
Maximum HT. (u.w.f.)*	17.4 mm

*u.w.f. – unity winding factor

Surface Area

Unwound Core	12.1 cm ²
40% Winding Factor	18.9 cm ²

AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)	AWG Wire Size	Single Layer Turns	Single Layer Rdc (Ohms, Ω)
11	12	0.001354	21	45	0.0439
12	14	0.0017	22	50	0.0618
13	16	0.00245	23	56	0.0867
14	18	0.00347	24	63	0.124
15	21	0.0051	25	71	0.176
16	24	0.00736	26	80	0.25
17	27	0.0104	27	89	0.349
18	31	0.0151	28	100	0.498
19	35	0.0215	29	111	0.688
20	39	0.0301	30	125	0.992