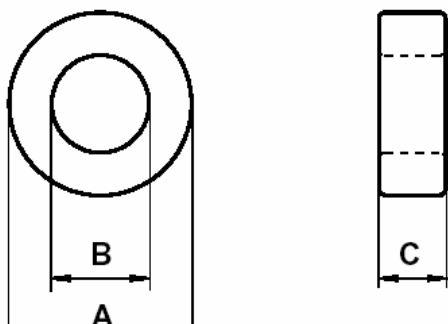




**0077192A7**

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



**Core Markings**

XXXXXX  
lot number

77192A7  
part number

X  
inductance

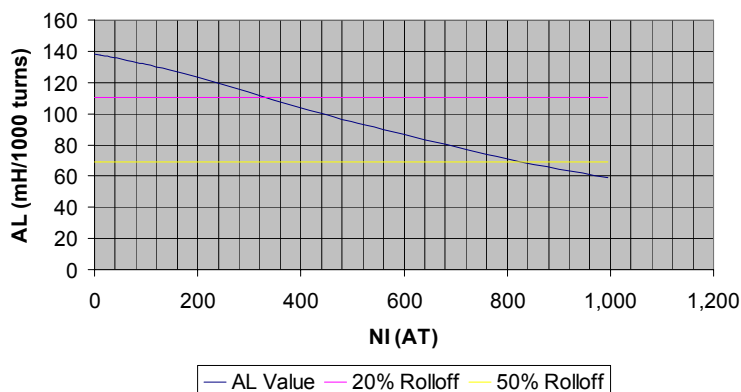
**DIMENSIONS**

| (mm)     | Uncoated | Coated |
|----------|----------|--------|
| O.D. (A) | 57.2     | 58.0   |
| I.D. (B) | 26.4     | 25.6   |
| Ht. (C)  | 15.2     | 16.1   |

**PHYSICAL CHARACTERISTICS**

| W <sub>A</sub><br>Window<br>Area | A <sub>e</sub><br>Cross<br>Section | L <sub>e</sub><br>Path<br>Length | V <sub>e</sub><br>Volume | Weight    | Box<br>Quantity |
|----------------------------------|------------------------------------|----------------------------------|--------------------------|-----------|-----------------|
| 514.0 mm <sup>2</sup>            | 229.0 mm <sup>2</sup>              | 125.1 mm                         | 28,600 mm <sup>3</sup>   | 176 grams | 80 pieces       |

Typical AL Values Core: 0077192A7



Permeability ( $\mu$ )      60

A<sub>L</sub>  $\pm$  8%      138

| Winding Turn Length |                  |
|---------------------|------------------|
| Winding Factor      | Length/Turn (cm) |
| 100% (Unity)        | 9.02             |
| 60%                 | 8.35             |
| 40%                 | 7.62             |
| 20%                 | 7.01             |
| 0%                  | 6.46             |

| Wound Coil Dimensions  |         |
|------------------------|---------|
| Maximum O.D. (u.w.f.)* | 75.7 mm |
| Maximum HT. (u.w.f.)*  | 34.0 mm |

\*u.w.f. – unity winding factor

| Surface Area       |                      |
|--------------------|----------------------|
| Unwound Core       | 91.0 cm <sup>2</sup> |
| 40% Winding Factor | 115 cm <sup>2</sup>  |

| AWG Wire Size | Single Layer Turns | Single Layer Rdc (Ohms, $\Omega$ ) | AWG Wire Size | Single Layer Turns | Single Layer Rdc (Ohms, $\Omega$ ) |
|---------------|--------------------|------------------------------------|---------------|--------------------|------------------------------------|
| 8             | 20                 | 0.00267                            | 18            | 70                 | 0.0948                             |
| 9             | 23                 | 0.00385                            | 19            | 78                 | 0.133                              |
| 10            | 26                 | 0.00551                            | 20            | 88                 | 0.189                              |
| 11            | 30                 | 0.00801                            | 21            | 99                 | 0.269                              |
| 12            | 34                 | 0.0115                             | 22            | 111                | 0.381                              |
| 13            | 39                 | 0.0165                             | 23            | 124                | 0.534                              |
| 14            | 43                 | 0.023                              | 24            | 138                | 0.752                              |
| 15            | 49                 | 0.033                              | 25            | 156                | 1.07                               |
| 16            | 55                 | 0.0469                             | 26            | 174                | 1.51                               |
| 17            | 62                 | 0.0664                             | 27            | 193                | 2.10                               |