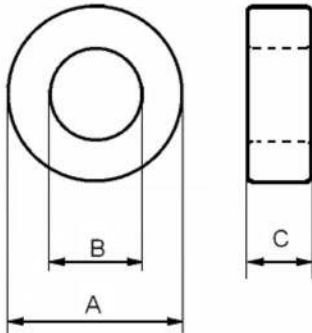




**0058102A2**

110 Delta Drive  
 Pittsburgh, PA 15238  
 NAFTA Sales: (1)800-245-3984  
 HK Sales : (852)3102-9337  
 magnetics@spang.com  
 www.mag-inc.com



| High Flux Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                                  |                            | Lot Number   | Part Number | Inductance Grade |               |
| 26                               | 48 ± 8%                    | XXXXXX       | 58102A2     | N/A              | Khaki         |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                             |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                       |
| OD (A)     | 101.60   | 4.000 | 103.00        | 4.055 | max | Cardboard cut-outs<br>Box Qty= 25 pcs |
| ID (B)     | 57.15    | 2.250 | 55.75         | 2.195 | min |                                       |
| HT (C)     | 16.51    | 0.650 | 17.91         | 0.705 | max |                                       |

| Electrical Characteristics                           |                        |     | Physical Characteristics                              |                         |   |   |                                 |  |            |
|--|------------------------|-----|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 kHz, 100mT Max (mW/cm <sup>3</sup> ) | DC Bias min (oersteds) |     | Voltage Breakdown wire to wire min (V <sub>AC</sub> ) | Break Strength min (kg) | Window Area W <sub>A</sub> (mm <sup>2</sup> ) | Cross Section A <sub>e</sub> (mm <sup>2</sup> ) | Path Length L <sub>e</sub> (mm) | Volume V <sub>e</sub> (mm <sup>3</sup> ) | Weight (g) |
|  | 1250                   | 80% |   |                         |   |   |                                 |  |            |
|  | 200                    | 375 | 3000  | 181.0                   | 2,470   | 358   | 243                             | 86,900                                   | 610        |

| Winding Information     |      |                |      |                                 | Temperature Rating |  |
|-------------------------|------|----------------|------|---------------------------------|--------------------|--|
| Winding Length Per Turn |      |                |      | Wound Coil Dimensions (mm)      |                    | Curie Temp: 500°C                      |
| Winding Factor          | (mm) | Winding Factor | (mm) | 40% Winding Factor              |                    | Coating Temp (Continuous up to): 200°C |
|                         |      |                |      | OD                              | 112                | Notes:                                 |
| 0%                      | 82.2 | 40%            | 111  | HT                              | 34.9               |  |
|                         |      |                |      | Max OD                          | 136                |  |
| 20%                     | 96.8 | 45%            | 116  | Max HT                          | 55.1               |  |
| 25%                     | 100  | 50%            | 120  | Surface Area (mm <sup>2</sup> ) |                    |  |
| 30%                     | 103  | 60%            | 128  | Unwound Core                    | 20,000             |  |
| 35%                     | 108  | 70%            | 139  | 40% Winding Factor              | 36,000             |  |

**Typical DC Bias Performance**

