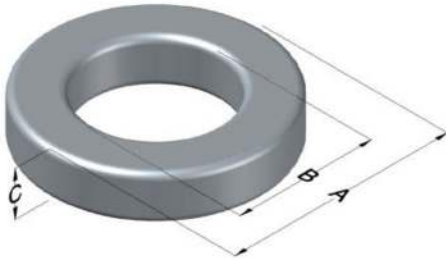




**0079102A7**

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



| Kool Mμ MAX<br>Permeability<br>(μ) | A <sub>L</sub><br>(nH/T <sup>2</sup> ) | Core Marking  |                |                     | Coating<br>Color |
|------------------------------------|----------------------------------------|---------------|----------------|---------------------|------------------|
|                                    |                                        | Lot<br>Number | Part<br>Number | Inductance<br>Grade |                  |
| 26                                 | 48 ± 8%                                | XXXXXX        | 79102A7        | N/A                 | Black            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging<br><br>Cardboard cut-outs<br>Box Qty= 25 pcs |
|------------|----------|-------|---------------|-------|-----|--------------------------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                                        |
| OD (A)     | 101.60   | 4.000 | 103.00        | 4.055 | max |                                                        |
| 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<br>@ 100 kHz, 100mT<br>max (mW/cm <sup>3</sup> ) | DC Bias<br>min (oersteds) |     | Voltage<br>Breakdown<br>wire to wire<br>min (V <sub>AC</sub> ) | Break<br>Strength<br>min (kg) | Window<br>Area<br>W <sub>A</sub> (mm <sup>2</sup> ) | Cross<br>Section<br>A <sub>e</sub> (mm <sup>2</sup> ) | Path<br>Length<br>L <sub>e</sub> (mm) | Volume<br>V <sub>e</sub> (mm <sup>3</sup> ) | Weight<br>(g) |
| 700                                                        | 80%                       | 50% | 2000                                                           | 181.0                         | 2,470                                               | 358                                                   | 243                                   | 86,900                                      | 510           |
|                                                            | 135                       | 285 |                                                                |                               |                                                     |                                                       |                                       |                                             |               |

| 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         | OD     | 112                | Coating Temp (Continuous up to): 200°C |  |
|                         |      |                |      |                            | HT     | 34.9               |                                        |  |
|                         |      |                |      | Completely Full Window     | Max OD | 136                | Notes:                                 |  |
|                         |      |                |      |                            | Max HT | 55.1               |                                        |  |
| 0%                      | 82.2 | 40%            | 111  | Surface Area (mm²)         |        |                    |                                        |  |
| 20%                     | 96.8 | 45%            | 116  |                            |        |                    |                                        |  |
| 25%                     | 100  | 50%            | 120  |                            |        |                    |                                        |  |
| 30%                     | 103  | 60%            | 128  | Unwound Core               |        | 20,000             |                                        |  |
| 35%                     | 108  | 70%            | 139  | 40% Winding Factor         |        | 36,000             |                                        |  |

**Typical DC Bias Performance**

