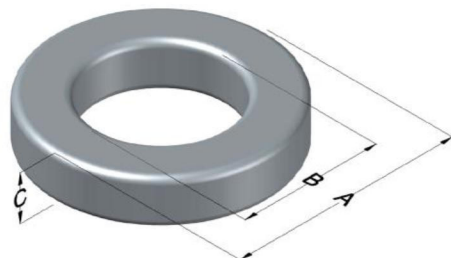




**0077329A7**

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<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 |                  |
| 75                             | 70 ± 8%                                | XXXXXX        | 77329A7        | N/A                 | Black            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging<br><br>Cardboard cut-outs<br>Box Qty= 220 pcs |
|------------|----------|-------|---------------|-------|-----|---------------------------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                                         |
| OD (A)     | 35.81    | 1.410 | 36.70         | 1.445 | max |                                                         |
| ID (B)     | 22.35    | 0.880 | 21.54         | 0.848 | min |                                                         |
| HT (C)     | 10.46    | 0.412 | 11.35         | 0.447 | max |                                                         |

| Electrical Characteristics                   |                           |     | Physical Characteristics                                       |                               |                                        |                                          |                                       |                                |               |
|----------------------------------------------|---------------------------|-----|----------------------------------------------------------------|-------------------------------|----------------------------------------|------------------------------------------|---------------------------------------|--------------------------------|---------------|
| Watt Loss<br>@ 100 kHz, 100mT<br>max(mW/cm³) | 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> (mm²) | Cross<br>Section<br>A <sub>e</sub> (mm²) | Path<br>Length<br>L <sub>e</sub> (mm) | Volume<br>V <sub>e</sub> (mm³) | Weight<br>(g) |
| 750                                          | 80%                       | 50% | 3000                                                           | 80                            | 364                                    | 67.8                                     | 89.8                                  | 6,090                          | 36            |
|                                              | 28                        | 64  |                                                                |                               |                                        |                                          |                                       |                                |               |

| 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                 | 40.2               | Coating Temp (Continuous up to): 200°C |  |
|                         |                        |                |      |                            | HT                 | 18.4               |                                        |  |
|                         | Completely Full Window | Max OD         | 51.1 | Notes:                     |                    |                    |                                        |  |
|                         |                        | Max HT         | 29.6 |                            |                    |                    |                                        |  |
| 0%                      | 37.9                   | 40%            | 48.9 |                            | Surface Area (mm²) |                    |                                        |  |
| 20%                     | 43.5                   | 45%            | 50.6 |                            |                    |                    |                                        |  |
| 25%                     | 44.8                   | 50%            | 52.0 |                            |                    |                    |                                        |  |
| 30%                     | 46.0                   | 60%            | 55.5 | Unwound Core               |                    | 3,400              |                                        |  |
| 35%                     | 47.6                   | 70%            | 59.3 | 40% Winding Factor         |                    | 5,700              |                                        |  |

## Typical DC Bias Performance

