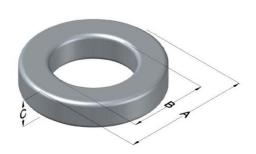


## 0077310A7

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

magnetics@spang.com www.mag-inc.com



| Kool Mµ             | AL      |               | Coating        |                     |       |
|---------------------|---------|---------------|----------------|---------------------|-------|
| Permeability<br>(μ) | (nH/T²) | Lot<br>Number | Part<br>Number | Inductance<br>Grade | Color |
| 125                 | 90 ± 8% | XXXXXX        | 77310A7        | N/A                 | Black |

| Dimensions   | Dimensions |       | Coated Limits |       |     | Packaging                       |
|--------------|------------|-------|---------------|-------|-----|---------------------------------|
| Difficusions | (mm)       | (in)  | (mm)          | (in)  |     |                                 |
| OD (A)       | 22.86      | 0.900 | 23.62         | 0.930 | max | Bulk Pack                       |
| ID (B)       | 13.97      | 0.550 | 13.34         | 0.525 | min | 4 bags/box<br>Box Qty= 1000 pcs |
| HT (C)       | 7.62       | 0.300 | 8.38          | 0.330 | 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> (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) |
| 750  | 80%                       | 50% | 3000   | 39.0                          | 139                                    | 31.7  | 56.7                                  | 1,800                                       | 12            |
|  | 14                        | 35  | ] 3000   |                               |  |   |                                       |   |               |

|                         |      | Temperature Rating |                            |                          |        |                   |                                  |
|-------------------------|------|--------------------|----------------------------|--------------------------|--------|-------------------|----------------------------------|
| Winding Length Per Turn |      |                    | Wound Coil Dimensions (mm) |                          |        | Curie Temp: 500°C |                                  |
| \A(!!!                  |      | \A/:!:             |                            | 409/ Winding Factor O    |        | 25.7              | Coating Temp (Continuous up to): |
| Winding                 | (mm) | Winding Factor     | (mm)                       | 40% Winding Factor       | HT     | 12.4              | 200°C                            |
| Factor                  |      | Factor             |                            | Completely Full Window   | Max OD | 32.6              | Notes:                           |
| 0%                      | 27.0 | 40%                | 33.9                       | Completely Full Window   | Max HT | 19.8              |                                  |
| 20%                     | 30.5 | 45%                | 34.9                       | Surface Area (mm²)       |        |                   |                                  |
| 25%                     | 31.3 | 50%                | 35.9                       |                          |        |                   |                                  |
| 30%                     | 32.0 | 60%                | 38.0                       | Unwound Core 1,600       |        |                   |                                  |
| 35%                     | 33.1 | 70%                | 40.4                       | 40% Winding Factor 2,400 |        |                   |                                  |

