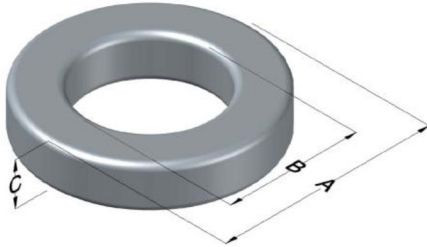




**0055617A2**

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



| MPP Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                            |                            | Lot Number   | Part Number | Inductance Grade |               |
| 60                         | 189 $\pm$ 8%               | XXXXXX       | 55617A2     | N/A              | Grey          |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                             |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                       |
| OD (A)     | 61.98    | 2.440 | 63.09         | 2.484 | max | Cardboard cut-outs<br>Box Qty= 45 pcs |
| ID (B)     | 32.59    | 1.283 | 31.70         | 1.248 | min |                                       |
| HT (C)     | 24.99    | 0.984 | 25.91         | 1.020 | 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) |
|  | 80%                    | 50%  |   |                         |   |   |                                 |  |            |
| 700  | 50.0                   | 94.0 | 3000  | 193.0                   | 789   | 360   | 144                             | 51,800                                   | 460        |

| 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                              | 75.3               | Notes:                                 |
|                         |      |                |      | HT                              | 39.7               |  |
|                         |      |                |      | Completely Full Window          |                    |  |
|                         |      |                |      | Max OD                          | 81.4               |  |
|                         |      |                |      | Max HT                          | 47.4               |  |
|                         |      |                |      | Surface Area (mm <sup>2</sup> ) |                    |  |
|                         |      |                |      | Unwound Core                    |                    | 12,000                                 |
|                         |      |                |      | 40% Winding Factor              |                    | 21,000                                 |

