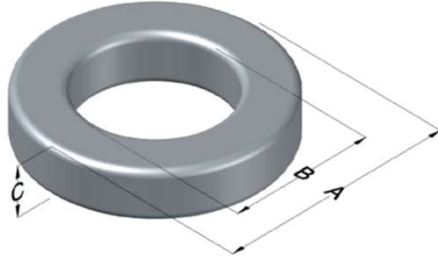




0059053A2

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



| Edge Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|-----------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 14 | 6.4 \pm 8% | XXXXXX | 59053A2 | N/A | Green |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|--|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 12.70 | 0.500 | 13.46 | 0.530 | max | Bulk Pack 4 bags/box Box Qty= 5000 pcs |
| ID (B) | 7.62 | 0.300 | 6.99 | 0.275 | min | |
| HT (C) | 4.75 | 0.187 | 5.51 | 0.217 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|---|------------------------|-----|---|-------------------------|---|---|---------------------------------|--|-----------------|
| Watt Loss @ 100kHz, 100mT max (mW/cm ³) | DC Bias min (oersteds) | | Voltage Breakdown wire to wire min (V _{AC}) | Break Strength min (kg) | Window Area W _a (mm ²) | Cross Section A _e (mm ²) | Path Length L _e (mm) | Volume V _e (mm ³) | Est. Weight (g) |
| | 80% | 50% | | | | | | | |
| 1000 | 410 | 625 | 1250 | 15.0 | 38.4 | 10.9 | 31.2 | 340 | 2.73 |

| 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 | 15.1 |
| | | | | | HT | 7.91 |
| 0% | 17.5 | 40% | 21.2 | Completely Full Window | Max OD | 15.1 |
| 20% | 19.3 | 45% | 21.6 | | Max HT | 10.3 |
| 25% | 19.8 | 50% | 22.2 | Surface Area (mm ²) | | Notes: |
| 30% | 20.1 | 60% | 23.3 | Unwound Core | 560 | |
| 35% | 20.7 | 70% | 24.5 | 40% Winding Factor | 810 | |
| Coating Temp (Continuous up to): 200°C | | | | | | |

