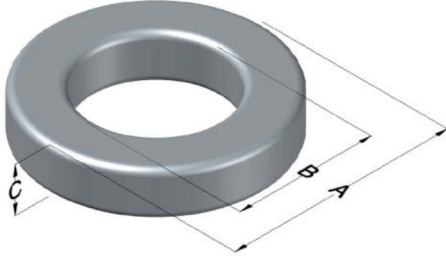




0055070A2

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 (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 125 | 312 \pm 8% | XXXXXX | 55070A2 | N/A | Gray |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 68.00 | 2.677 | 69.42 | 2.733 | max | Cardboard cut-outs Box Qty= 35 pcs |
| ID (B) | 35.99 | 1.417 | 34.67 | 1.365 | min | |
| HT (C) | 19.99 | 0.787 | 21.41 | 0.843 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|--|------------------------|------|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 kHz, 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) | Weight (g) |
| | 850 | 80% | | | | | | | |
| | 25.0 | 48.5 | | | | | | | |

| Winding Information | | | | | Temperature Rating | |
|--|------|----------------|------|---------------------------------|--------------------|-------------------|
| Winding Length Per Turn | | | | Wound Coil Dimensions (mm) | | Curie Temp: 760°C |
| Winding Factor | (mm) | Winding Factor | (mm) | 40% Winding Factor | OD | 74.7 |
| | | | | | HT | 37.4 |
| 0% | 77.6 | 40% | 95.1 | Completely Full Window | Max OD | 92.7 |
| 20% | 86.6 | 45% | 98.0 | | Max HT | 50.6 |
| 25% | 88.6 | 50% | 101 | Surface Area (mm ²) | | |
| 30% | 90.7 | 60% | 106 | Unwound Core | | 12,700 |
| 35% | 93.2 | 70% | 112 | 40% Winding Factor | | 19,000 |
| Coating Temp (Continuous up to): 200°C | | | | | | |
| Notes: | | | | | | |

