



0070439A7

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



| Kool M μ Ultra Permeability (μ) | A _L (nH/T ²) | Core Marking | | | Coating Color |
|---|-------------------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 60 | 139 ± 8% | XXXXXX | 70439A7 | N/A | Black |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|--|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 46.74 | 1.840 | 47.63 | 1.875 | max | Cardboard cut-outs Box Qty= 105 pcs |
| ID (B) | 24.13 | 0.950 | 23.32 | 0.918 | min | |
| HT (C) | 18.03 | 0.710 | 18.92 | 0.745 | 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% | | | | | | | |
| 250 | 45 | 100 | 3000 | 233.0 | 427 | 198 | 107 | 21,300 | 131 |

| 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 | 52.4 | |
| | | | | HT | 26.1 | Notes: |
| | | | | Completely Full Window | | |
| | | | | Max OD | 54.8 | |
| | | | | Max HT | 35.7 | |
| 0% | 62.2 | 40% | 74.2 | Surface Area (mm ²) | | |
| 20% | 68.3 | 45% | 76.0 | Unwound Core | | 6,900 |
| 25% | 69.7 | 50% | 77.6 | 40% Winding Factor | | 9,500 |
| 30% | 71.0 | 60% | 81.3 | | | |
| 35% | 72.8 | 70% | 85.6 | | | |

