



0077109A7

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| Kool M μ Permeability (μ) | A _L (nH/T ²) | Core Marking | | | Coating Color |
|---|--|---------------|----------------|---------------------|------------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 125 | 156 ± 8% | XXXXXX | 77109A7 | N/A | Black |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 57.15 | 2.250 | 58.04 | 2.285 | max | Cardboard cut-outs Box Qty= 90 pcs |
| ID (B) | 35.56 | 1.400 | 34.75 | 1.368 | min | |
| HT (C) | 13.97 | 0.550 | 14.86 | 0.585 | 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) |
| | 80% | 50% | | | | | | | |
| 1000 | 14 | 35 | 3000 | 107.0 | 948 | 144 | 143 | 20,700 | 130 |

| 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 | 63.5 | |
| | | | | HT | 25.9 | Notes: |
| | | | | Max OD | 81.3 | |
| | | | | Max HT | 44.4 | |
| 0% | 53.0 | 40% | 71.0 | Completely Full Window | | |
| 20% | 61.9 | 45% | 73.2 | Surface Area (mm ²) | | |
| 25% | 64.3 | 50% | 76.0 | | | |
| 30% | 65.8 | 60% | 81.3 | Unwound Core | 7,700 | |
| 35% | 68.7 | 70% | 87.1 | 40% Winding Factor | 13,000 | |

