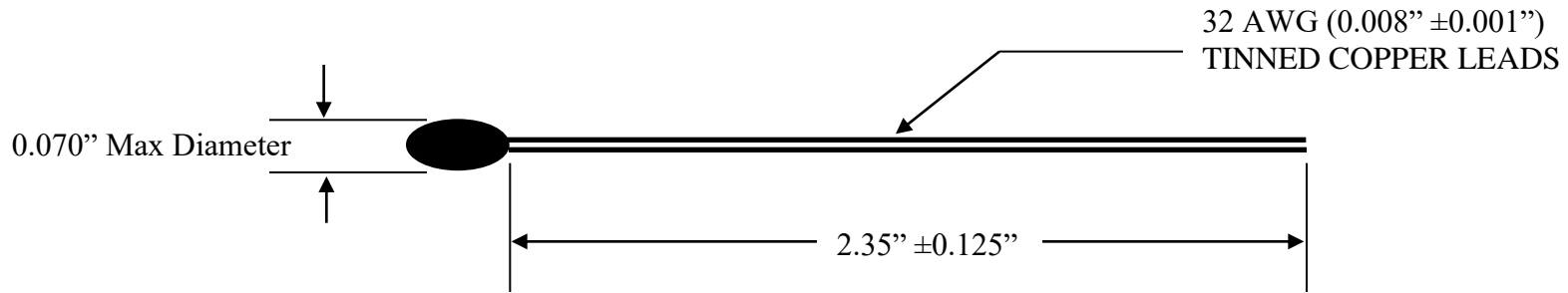



PART NUMBER: ACC-103




ELECTRICAL SPECIFICATIONS

| | |
|--|--------------------------------|
| Resistance @ 25°C | 5,000Ω (See R/T Table Sheet 2) |
| Temperature tolerance from 0°C to 70°C | ±0.1°C |
| Dissipation Constant | 1mW / °C minimum |
| Thermal Time Constant | 3.5 seconds nominal |
| Beta (0°C / 50°C) | 3892°K |
| Max Power Rating | 250 mW |

| | | |
|------|---------|---------------|
| Rev: | Date: | Changes Made: |
| 0 | 5/10/16 | |

| | | |
|--------------------|----------------|---|
| DRAWN BY: C. Terry | |  AMETHERM <i>Circuit Protection Thermistors</i> |
| DATE: 5/10/16 | REV: 0 | |
| ORIG. C. Terry | APPR: M. Samii | ACCU-CURVE THERMISTOR |
| SHEET 1 of 2 | | ACC-103 |

| RESISTANCE VS. TEMPERATURE TABLE | | | | |
|---|--------------------------|---------|----------|-----------------------------------|
| TEMPERATURE °C | RESISTANCE LIMITS (OHMS) | | | TEMPERATURE ACCURACY (± °C) |
| | MINIMUM | NOMINAL | MAXIMUM | |
| -40 | | 168,250 | | |
| -30 | | 88,500 | | |
| -20 | | 48,535 | | |
| -10 | | 27,665 | | |
| 0 | 16,241.2 | 16,325 | 16,408.8 | 0.1 |
| 10 | 9,902.0 | 9,950.0 | 9,998.0 | 0.1 |
| 20 | 6,216.6 | 6,245.0 | 6,273.3 | 0.1 |
| 25 | 4,978.0 | 5,000.0 | 5,022.0 | 0.1 |
| 30 | 4,011.2 | 4,028.5 | 4,045.7 | 0.1 |
| 40 | 2,652.5 | 2,663.3 | 2,674.0 | 0.1 |
| 50 | 1,794.6 | 1,801.5 | 1,808.4 | 0.1 |
| 60 | 1,239.5 | 1,244.0 | 1,248.5 | 0.1 |
| 70 | 873.0 | 876.0 | 879.0 | 0.1 |
| 80 | | 627.50 | | |
| 90 | | 457.65 | | |
| 100 | | 339.15 | | |
| 110 | | 255.15 | | |
| 120 | | 194.65 | | |
| 130 | | 150.47 | | |
| 140 | | 117.64 | | |
| 150 | | 92.985 | | |

| | | |
|--------------------|----------------|---|
| DRAWN BY: C. Terry | |  AMETHERM <i>Circuit Protection Thermistors</i> |
| DATE: 5/10/16 | REV: 0 | |
| ORIG. C. Terry | APPR: M. Samii | ACCU-CURVE THERMISTOR |
| SHEET 2 of 2 | | ACC-103 |