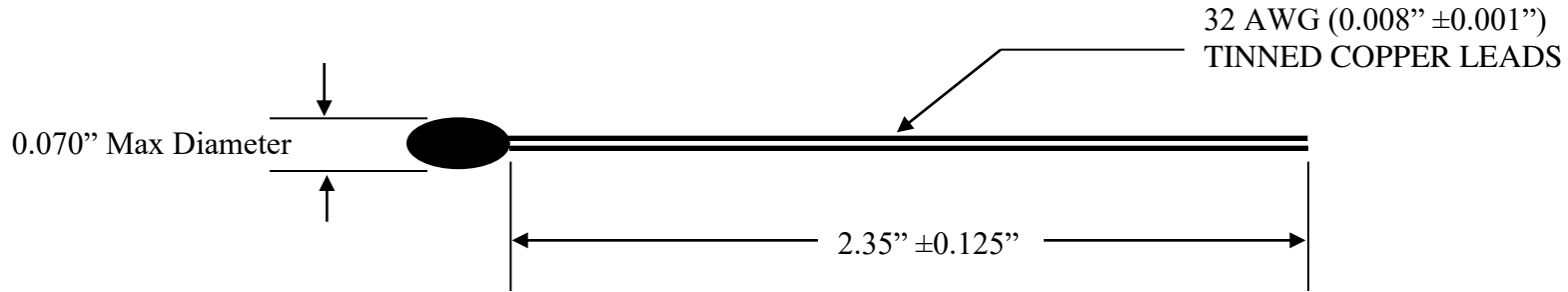



PART NUMBER: ACC-102




ELECTRICAL SPECIFICATIONS

| | |
|--|--------------------------------|
| Resistance @ 25°C | 3,000Ω (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-102 |

| RESISTANCE VS. TEMPERATURE TABLE | | | | |
|---|--------------------------|---------|---------|-----------------------------------|
| TEMPERATURE °C | RESISTANCE LIMITS (OHMS) | | | TEMPERATURE ACCURACY (± °C) |
| | MINIMUM | NOMINAL | MAXIMUM | |
| -40 | | 100,950 | | |
| -30 | | 53,100 | | |
| -20 | | 29,121 | | |
| -10 | | 16,599 | | |
| 0 | 9,744.7 | 9,795.0 | 9,845.3 | 0.1 |
| 10 | 5,941.2 | 5,970.0 | 5,998.8 | 0.1 |
| 20 | 3,730.0 | 3747.0 | 3,764.0 | 0.1 |
| 25 | 2,986.8 | 3,000.0 | 3,013.2 | 0.1 |
| 30 | 2,406.7 | 2417.1 | 2,427.4 | 0.1 |
| 40 | 1,591.6 | 1,598.1 | 1,604.5 | 0.1 |
| 50 | 1,076.7 | 1,080.9 | 1,085.0 | 0.1 |
| 60 | 743.70 | 746.40 | 749.10 | 0.1 |
| 70 | 523.80 | 525.60 | 527.40 | 0.1 |
| 80 | | 376.50 | | |
| 90 | | 274.59 | | |
| 100 | | 203.49 | | |
| 110 | | 153.09 | | |
| 120 | | 116.79 | | |
| 130 | | 90.279 | | |
| 140 | | 70.581 | | |
| 150 | | 55.791 | | |

| | | |
|--------------------|----------------|---|
| 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-102 |