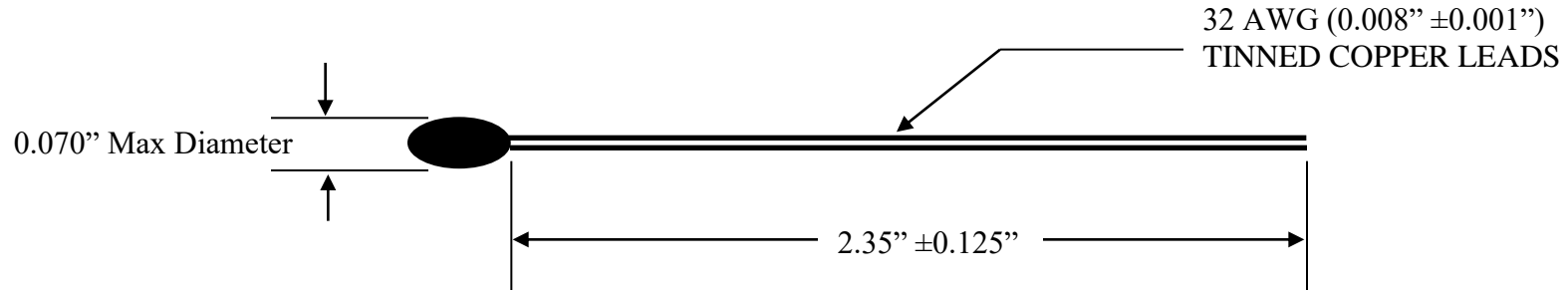



# PART NUMBER: ACC-102




## 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 |                | <br><b>AMETHERM</b><br><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   |

| <b>RESISTANCE VS. TEMPERATURE TABLE</b> |                          |         |         |                                   |
|---|--------------------------|---------|---------|-----------------------------------|
| TEMPERATURE<br>°C                       | RESISTANCE LIMITS (OHMS) |         |         | TEMPERATURE<br>ACCURACY<br>(± °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 |                | <br><b>AMETHERM</b><br><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   |