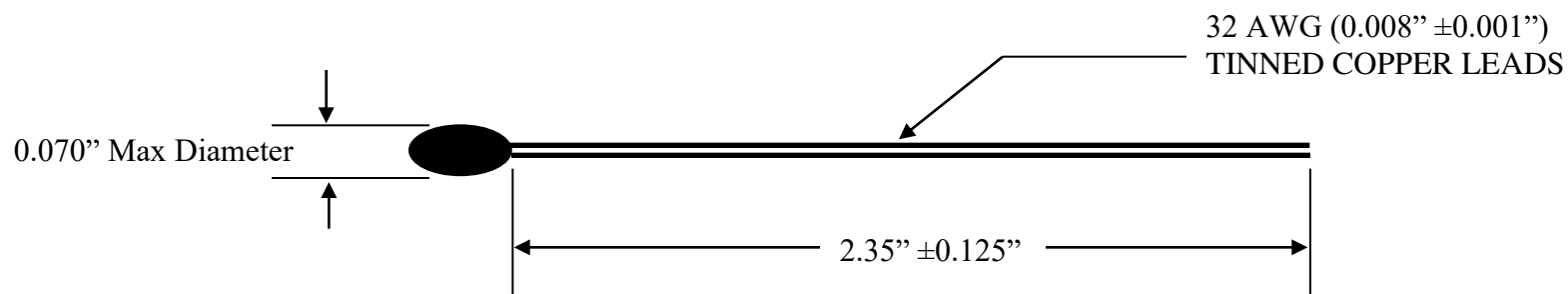


## PART NUMBER: ACC-103



### 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 |                | <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-103                                                  |

| RESISTANCE VS. TEMPERATURE TABLE |                          |         |          |                                   |
|----------------------------------|--------------------------|---------|----------|-----------------------------------|
| TEMPERATURE<br>°C                | RESISTANCE LIMITS (OHMS) |         |          | TEMPERATURE<br>ACCURACY<br>(± °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 |                | <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-103                                                                                                                                           |