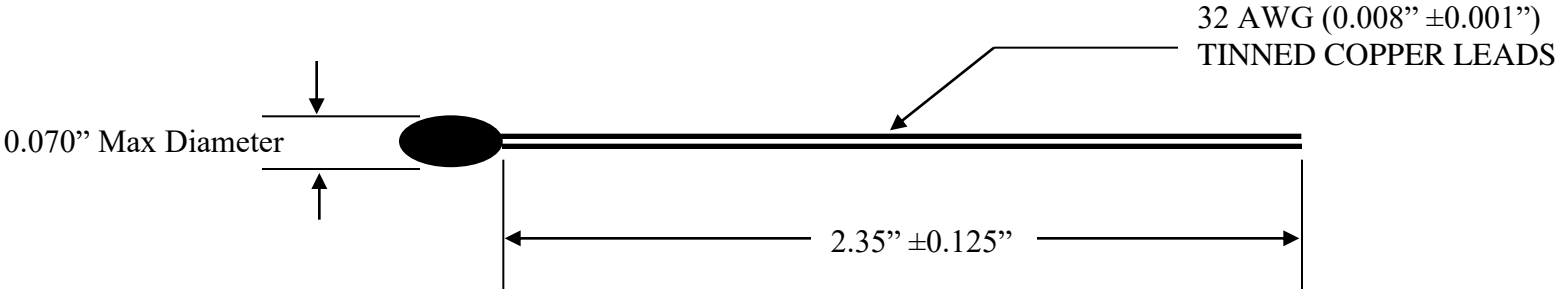


# PART NUMBER: ACW-006




## ELECTRICAL SPECIFICATIONS

|  |                                 |
|--|---------------------------------|
| Resistance @ 25°C                      | 50,000Ω (See R/T Table Sheet 2) |
| Temperature tolerance from 0°C to 70°C | ±0.2°C                          |
| Dissipation Constant                   | 1mW / °C minimum                |
| Thermal Time Constant                  | 3.5 seconds nominal             |
| Beta (0°C / 50°C)                      | 4143°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       |                | ACW-006  |

| <b>RESISTANCE VS. TEMPERATURE TABLE</b> |                          |           |         |                                   |
|---|--------------------------|-----------|---------|-----------------------------------|
| TEMPERATURE<br>°C                       | RESISTANCE LIMITS (OHMS) |           |         | TEMPERATURE<br>ACCURACY<br>(± °C) |
|   | MINIMUM                  | NOMINAL   | MAXIMUM |                                   |
| -40                                     |                          | 2,007,700 |         |                                   |
| -30                                     |                          | 1,032,000 |         |                                   |
| -20                                     |                          | 551,720   |         |                                   |
| -10                                     |                          | 305,940   |         |                                   |
| 0                                       | 173,620                  | 175,510   | 177,420 | 0.2                               |
| 10                                      | 102,870                  | 103,920   | 104,990 | 0.2                               |
| 20                                      | 62,765                   | 63,370    | 63,982  | 0.2                               |
| 25                                      | 49,536                   | 50,000    | 50,469  | 0.2                               |
| 30                                      | 39,352                   | 39,711    | 40,073  | 0.2                               |
| 40                                      | 25,306                   | 25,524    | 25,744  | 0.2                               |
| 50                                      | 16,660                   | 16,795    | 16,932  | 0.2                               |
| 60                                      | 11,209                   | 11,295    | 11,382  | 0.2                               |
| 70                                      | 7,694.4                  | 7,750.9   | 7,808.1 | 0.2                               |
| 80                                      |                          | 5,418.7   |         |                                   |
| 90                                      |                          | 3,853.9   |         |                                   |
| 100                                     |                          | 2,784.6   |         |                                   |
| 110                                     |                          | 2,041.5   |         |                                   |
| 120                                     |                          | 1,516.7   |         |                                   |
| 130                                     |                          | 1,140.5   |         |                                   |
| 140                                     |                          | 867.16    |         |                                   |
| 150                                     |                          | 665.94    |         |                                   |

|                    |                |   |
|--------------------|----------------|---|
| 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       |                | ACW-006   |