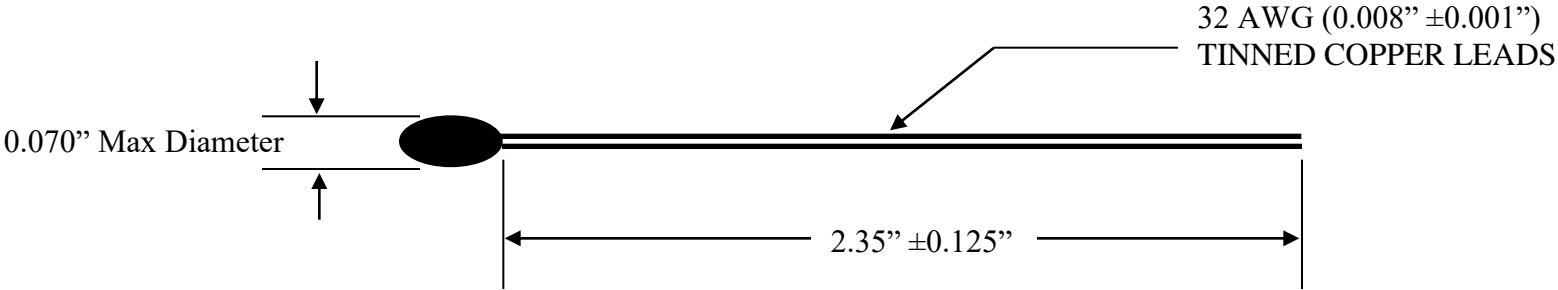


# PART NUMBER: ACW-005




## ELECTRICAL SPECIFICATIONS

|  |                                 |
|--|---------------------------------|
| Resistance @ 25°C                      | 30,000Ω (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-005  |

| <b>RESISTANCE VS. TEMPERATURE TABLE</b> |                          |           |         |                                   |
|---|--------------------------|-----------|---------|-----------------------------------|
| TEMPERATURE<br>°C                       | RESISTANCE LIMITS (OHMS) |           |         | TEMPERATURE<br>ACCURACY<br>(± °C) |
|   | MINIMUM                  | NOMINAL   | MAXIMUM |                                   |
| -40                                     |                          | 1,204,600 |         |                                   |
| -30                                     |                          | 619,200   |         |                                   |
| -20                                     |                          | 331,030   |         |                                   |
| -10                                     |                          | 183,560   |         |                                   |
| 0                                       | 104,170                  | 105,310   | 106,450 | 0.2                               |
| 10                                      | 61,724                   | 62,354    | 62,993  | 0.2                               |
| 20                                      | 37,659                   | 38,022    | 38,389  | 0.2                               |
| 25                                      | 29,772                   | 30,000    | 30,281  | 0.2                               |
| 30                                      | 23,612                   | 23,827    | 24,044  | 0.2                               |
| 40                                      | 15,184                   | 15,314    | 15,446  | 0.2                               |
| 50                                      | 9,995.6                  | 10,077    | 10,159  | 0.2                               |
| 60                                      | 6,724.9                  | 6,777.1   | 6,829.6 | 0.2                               |
| 70                                      | 4,616.6                  | 4,650.5   | 4,684.8 | 0.2                               |
| 80                                      |                          | 3,251.2   |         |                                   |
| 90                                      |                          | 2,312.3   |         |                                   |
| 100                                     |                          | 1,670.8   |         |                                   |
| 110                                     |                          | 1,224.9   |         |                                   |
| 120                                     |                          | 909.99    |         |                                   |
| 130                                     |                          | 684.31    |         |                                   |
| 140                                     |                          | 520.30    |         |                                   |
| 150                                     |                          | 399.56    |         |                                   |

|                    |                |   |
|--------------------|----------------|---|
| 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-005   |