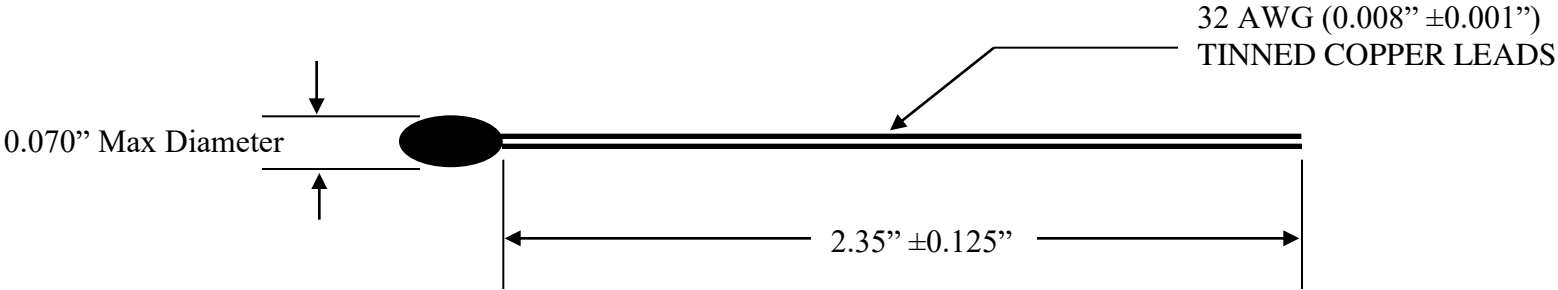


PART NUMBER: ACW-007




ELECTRICAL SPECIFICATIONS

| | |
|--|----------------------------------|
| Resistance @ 25°C | 100,000Ω (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 | | AMETHERM Circuit Protection Thermistors |
| DATE: 5/10/16 | REV: 0 | |
| ORIG. C. Terry | APPR: M. Samii | ACCU-CURVE THERMISTOR |
| SHEET 1 of 2 | | ACW-007 |

| RESISTANCE VS. TEMPERATURE TABLE | | | | |
|---|--------------------------|-----------|---------|-----------------------------------|
| TEMPERATURE °C | RESISTANCE LIMITS (OHMS) | | | TEMPERATURE ACCURACY (± °C) |
| | MINIMUM | NOMINAL | MAXIMUM | |
| -40 | | 4,015,500 | | |
| -30 | | 2,064,000 | | |
| -20 | | 1,103,400 | | |
| -10 | | 611,870 | | |
| 0 | 347,250 | 351,020 | 354,830 | 0.2 |
| 10 | 205,740 | 207,850 | 209,980 | 0.2 |
| 20 | 125,520 | 126,740 | 127,970 | 0.2 |
| 25 | 99,071 | 100,000 | 100,940 | 0.2 |
| 30 | 78,704 | 79,422 | 80,147 | 0.2 |
| 40 | 50,612 | 51,048 | 51,489 | 0.2 |
| 50 | 33,319 | 33,591 | 33,865 | 0.2 |
| 60 | 22,417 | 22,590 | 22,765 | 0.2 |
| 70 | 15,389 | 15,502 | 15,616 | 0.2 |
| 80 | | 10,837 | | |
| 90 | | 7,707.7 | | |
| 100 | | 5,569.3 | | |
| 110 | | 4,082.9 | | |
| 120 | | 3,033.3 | | |
| 130 | | 2,281.0 | | |
| 140 | | 1,734.3 | | |
| 150 | | 1,331.9 | | |

| | | |
|--------------------|----------------|---|
| 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 | | ACW-007 |