



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

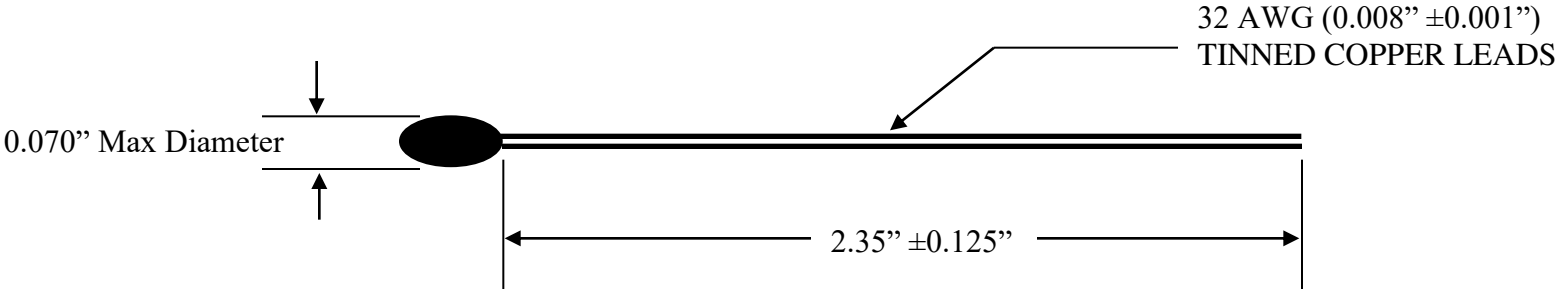
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PART NUMBER: ACW-107




ELECTRICAL SPECIFICATIONS

| | |
|--|----------------------------------|
| Resistance @ 25°C | 100,000Ω (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) | 4143°K |
| Max Power Rating | 250 mW |
| Optional color code | Violet |

| | | |
|------|---------|---------------|
| Rev: | Date: | Changes Made: |
| 0 | 5/10/16 | |

| | | |
|--------------------|----------------|--|
| 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 1 of 2 | | ACW-107 |

| 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 | 349,115 | 351,020 | 352,925 | 0.1 |
| 10 | 206,785 | 207,850 | 208,915 | 0.1 |
| 20 | 126,125 | 126,740 | 127,355 | 0.1 |
| 25 | 99,530 | 100,000 | 100,470 | 0.1 |
| 30 | 79,059 | 79,422 | 79,784 | 0.1 |
| 40 | 50,827 | 51,048 | 51,268 | 0.1 |
| 50 | 33,454 | 33,591 | 33,728 | 0.1 |
| 60 | 22,502 | 22,590 | 22,677 | 0.1 |
| 70 | 15,445 | 15,502 | 15,559 | 0.1 |
| 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 | | |

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