

T H E R M O M E T R I C S  
A COMMITMENT TO EXCELLENCE

# NTC Type SA

## Interchangeable Thermistors

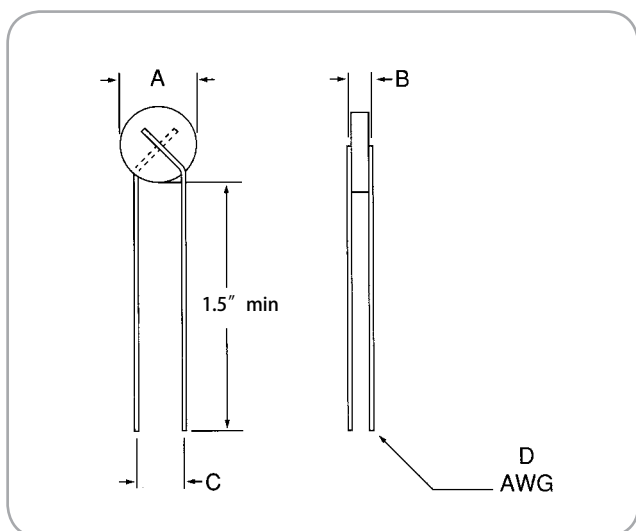
Interchangeable thermistor with bare lead-wires.



### Features

- Low cost solid state sensor
- Standard  $\pm 1^{\circ}\text{C}$  accuracy from  $0^{\circ}\text{C}$  to  $120^{\circ}\text{C}$
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Excellent mechanical strength
- Wide operating temperature range:  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$
- Suitable for PCB and probe mountings
- Available in a wide range of resistance values
- Also available with epoxy coating and on tape and reel to EIA RS-468A for automatic insertion
- Beta value ( $25^{\circ}\text{C} - 85^{\circ}\text{C}$ ) = 4073k
- Material system D10.3

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## Options

- Coated with fluid bed epoxy, e.g., "SC" suffix
- Tape and reel, e.g., "SR" suffix
- Coated and T&R, e.g., "SCR" suffix
- Other resistances in the range of 1 k $\Omega$  to 10 $\Omega$
- Other tolerances, tolerances at other temperatures
- Alternative lead lengths, lead materials, insulations

| Type Number         | Ro@25°C<br>(Ohms) | A     |      | B     |      | C     |      | D<br>(AWG) | d.c.<br>(mW/C) | t.c.<br>(sec.) |
|---------------------|-------------------|-------|------|-------|------|-------|------|------------|----------------|----------------|
|                     |                   | (in.) | (mm) | (in.) | (mm) | (in.) | (mm) |            |                |                |
| RL3005-574.0-103-SA | 1000              | 0.32  | 8.13 | 0.14  | 3.56 | 0.25  | 6.35 | 24         | 3.5            | 30             |
| RL2005-1148-103-SA  | 2000              | 0.22  | 5.59 | 0.14  | 3.56 | 0.15  | 3.81 | 24         | 2.5            | 20             |
| RL2006-1600-103-SA  | 2786              | 0.22  | 5.59 | 0.15  | 3.81 | 0.15  | 3.81 | 24         | 2.5            | 20             |
| RL2007-1723-103-SA  | 3000              | 0.22  | 5.59 | 0.16  | 4.06 | 0.15  | 3.81 | 24         | 2.5            | 20             |
| RL2008-2010-103-SA  | 3500              | 0.22  | 5.59 | 0.17  | 4.32 | 0.15  | 3.81 | 24         | 2.5            | 20             |
| RL1003-2871-103-SA  | 5000              | 0.11  | 2.79 | 0.11  | 2.79 | 0.10  | 2.54 | 26         | 1.0            | 10             |
| RL1004-4019-103-SA  | 7000              | 0.11  | 2.79 | 0.12  | 3.05 | 0.10  | 2.54 | 26         | 1.0            | 10             |
| RL1005-5744-103-SA  | 10000             | 0.11  | 2.79 | 0.13  | 3.30 | 0.10  | 2.54 | 26         | 1.0            | 10             |

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