

NTC Thermistors, Long Insulated Leads



| QUICK REFERENCE DATA | |
|---|------------------|
| PARAMETER | VALUE |
| Resistance value at: | |
| 0 °C | 9000 Ω |
| 25 °C | 2769 Ω |
| Tolerance on R ₂₅ - value: | |
| 0 °C | ± 2 % |
| 25 °C | ± 3.82 % |
| B _{25/85} - value | 3977 K |
| Maximum dissipation | 100 mW |
| Dissipation factor δ | 1.35 mW/K |
| Minimum dielectric withstanding voltage (RMS) between leads and coating | 500 V |
| Response time | 1.25 s |
| Operating temperature range: | |
| at zero power | - 40 to + 125 °C |
| at maximum power | 0 to + 55 °C |
| Climatic category | 40/125/56 |
| Mass | ≈ 0.16 g |

FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Insulated leads for prevention of short circuits
- Electrical features of 'accuracy line' sensors
- Small diameter
- Old part number was 2322 640 90059
- Components in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC

APPLICATIONS

- Temperature sensing and control

These thermistors have a negative temperature coefficient. The device consists of a chip with two insulated nickel leads.

PACKAGING

The thermistors are packed in cardboard boxes; the smallest packing quantity is 1000 units.

MARKING

The body is coated with ochre-colored epoxy lacquer and is not marked.

MOUNTING

By soldering in any position

DIMENSIONS in millimeters





| RESISTANCE VALUES AT INTERMEDIATE TEMPERATURES | | | |
|---|---------------------------|----------------------|---|
| T_{OPER} (°C) | RESISTANCE (Ω) | TCR (%/K) | RESISTANCE TOLERANCE (%) |
| - 40 | 90 923 | 6.57 | ± 5.60 |
| - 35 | 65 808 | 6.35 | ± 5.09 |
| - 30 | 48 141 | 6.15 | ± 4.60 |
| - 25 | 35 578 | 5.95 | ± 4.13 |
| - 20 | 26 550 | 5.76 | ± 3.67 |
| - 15 | 19 998 | 5.58 | ± 3.23 |
| - 10 | 15 197 | 5.40 | ± 2.81 |
| - 5 | 11 648 | 5.24 | ± 2.40 |
| 0 | 9000 | 5.08 | ± 2.00 |
| 5 | 7008.6 | 4.92 | ± 2.38 |
| 10 | 5498.8 | 4.78 | ± 2.76 |
| 15 | 4345.1 | 4.64 | ± 3.12 |
| 20 | 3457.2 | 4.50 | ± 3.47 |
| 25 | 2769.0 | 4.37 | ± 3.82 |
| 30 | 2231.7 | 4.25 | ± 4.16 |
| 35 | 1809.6 | 4.13 | ± 4.48 |
| 40 | 1476.0 | 4.02 | ± 4.80 |
| 45 | 1210.6 | 3.91 | ± 5.12 |
| 50 | 998.37 | 3.80 | ± 5.42 |
| 55 | 827.59 | 3.70 | ± 5.72 |
| 60 | 689.46 | 3.60 | ± 6.01 |
| 65 | 577.15 | 3.51 | ± 6.29 |
| 70 | 485.38 | 3.42 | ± 6.57 |
| 75 | 410.02 | 3.33 | ± 6.84 |
| 80 | 347.86 | 3.25 | ± 7.10 |
| 85 | 296.35 | 3.16 | ± 7.36 |
| 90 | 253.47 | 3.09 | ± 7.61 |
| 95 | 217.64 | 3.01 | ± 7.86 |
| 100 | 187.57 | 2.94 | ± 8.10 |
| 105 | 162.24 | 2.87 | ± 8.33 |
| 110 | 140.81 | 2.80 | ± 8.56 |
| 115 | 122.63 | 2.73 | ± 8.79 |
| 120 | 107.14 | 2.67 | ± 9.01 |
| 125 | 93.90 | 2.61 | ± 9.22 |



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