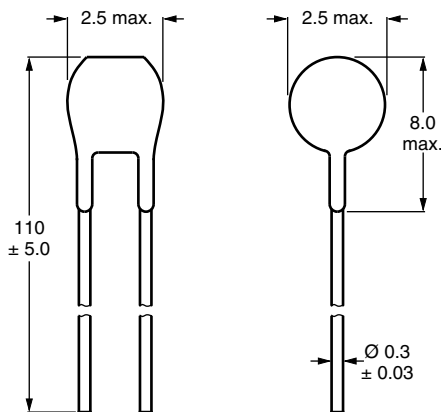


NTC Thermistors, Long Non-Insulated Leads



| QUICK REFERENCE DATA | | |
|---------------------------------|----------------|--------------------|
| PARAMETER | VALUE | UNIT |
| Resistance value at 25 °C | 10K | Ω |
| Tolerance on R_{25} -value | ± 5 | % |
| $B_{25/85}$ -value | 3977 | K |
| Tolerance on $B_{25/85}$ -value | ± 0.75 | % |
| Maximum power dissipation | 100 | mW |
| Operating temperature range: | | |
| at zero dissipation | - 40 to + 125 | $^{\circ}\text{C}$ |
| at maximum power dissipation | 0 to + 55 | |
| Response time | 0.45 | s |
| Dissipation factor τ | 1.4 | mW/K |
| Weight | ≈ 0.16 | g |

DIMENSIONS in millimeters



FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Fast response time of less than 0.5 s
- Small head diameter
- Compliant to RoHS Directive 2002/95/EC and in accordance to WEEE 2002/96/EC


RoHS
COMPLIANT

APPLICATIONS

- Temperature measurement, sensing and control

DESCRIPTION

These negative temperature coefficient thermistors consist of a mini-chip soldered between two tinned solid nickel leads. The body of the device is coated with an ochre colored epoxy lacquer.

DESIGN-IN SUPPORT

For complete Curve Computation, visit: www.vishay.com/resistors-non-linear/curve-computation-list/. Other values and tolerances are available on request.

PACKAGING

The thermistors are packed in cardboard boxes; each box containing 1000 units (10 plastic bags, each containing 100 units).

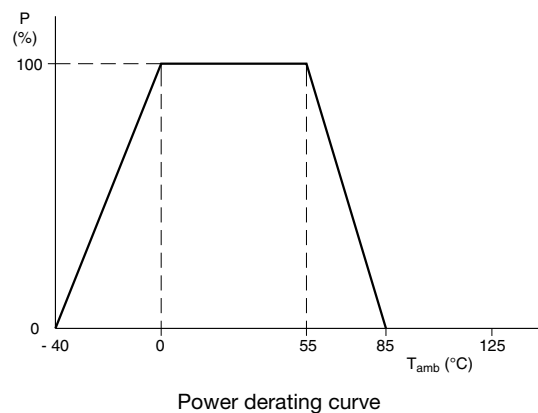
MARKING

The thermistor body has no marking.

MOUNTING

By soldering in any position.
Not suitable for potted application.

DERATING



Note

- Zero power is considered as measuring power max. 1 % of max. power



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