

# NTC thermistor

## Glass sealed radial type thermistor

Amphenol offers an innovative solution, i.e. glass sealed NTC thermistor series features high temperature resistance and accuracy



## Features

- Glass-sealed bead type
- High temperature resistance up to +300°C
- Chip type element is used
- Short response time
- Water & Oil proof design

## Applications

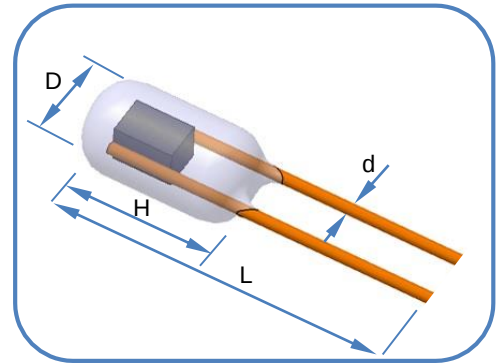
- Automotive (water, oil & air temperature sensing)
- Heating / Cooling device
- Boiler system
- Appliance

# Type TG Specifications

## Dimensions

(unit :mm)

| D     | H   | d<br>(dumet) | L  |
|-------|-----|--------------|----|
| Φ 1.3 | 2.2 | Φ 0.2        | 65 |



## Standard Specifications

- Thermal time constant : 5 sec. approx. (in still air)
- Dissipation constant : 0.75 mW/°C approx. (in still air)
- Operating temperature : -40°C ~ +300°C

| Part No.     | R25 (Ω)  | B (25/50)  | Operating temp.<br>(max.) |
|--------------|----------|------------|---------------------------|
| TG250J34GBNR | 5K ± 5%  | 3434K ± 2% | +300 °C                   |
| TG310J34GBNR | 10K ± 5% | 3434K ± 2% | +300 °C                   |

## Part No.

TG 250 J 34 G B NR

|     |                                                                                         |
|-----|-----------------------------------------------------------------------------------------|
| NR  | Wire : NR (dumet)                                                                       |
| B   | Center temperature : B (25 °C)                                                          |
| G   | Tolerance of B constant : G(±2%)                                                        |
| 34  | B constant : 3434K                                                                      |
| J   | Tolerance of resistance: J(±5%)                                                         |
| 250 | Resistance at 25 °C : 250 = 50 x 10 <sup>2</sup> = 5kΩ, 310 = 10x10 <sup>3</sup> = 10kΩ |
| TG  | Glass sealed radial type thermistor                                                     |