

# 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
- Tin & Ni plated wires are available (optional)

### Applications

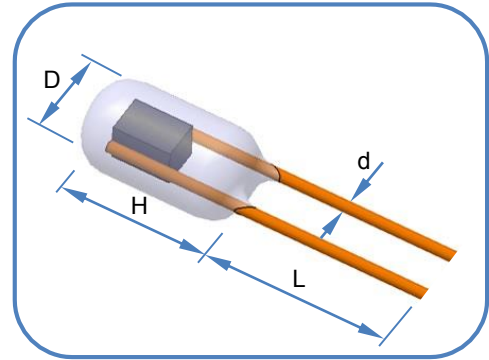
- Automotive (water, oil & air temperature sensing)
- Heating / Cooling device
- Boiler system
- Appliance

# Type TG Specifications

## Dimensions

(unit :mm)

D	H	d (dumet)	L
Φ 1.3	2.2	Φ 0.2	60



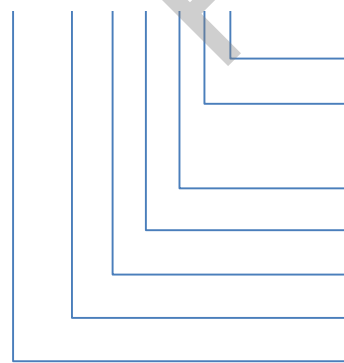
## Standard Specifications

- Thermal time constant : 1 sec.~2 sec. (in oil) / 7 sec.~15 sec. (in still air)
- Dissipation constant : 0.7 ~ 1.3 mW/°C
- Operating temperature : -40°C ~ +300°C

Part No.	R25 (Ω)	B (25/50)	Operating temp. (max.)
TG250*34*B*	5k	3434 K	+300°C
TG310*34*B*	10k	3434 K	+300°C
TG310*35*B*	10k	3515 K	+300°C

## Part No.<sup>1)</sup>

TG 310 \* 34 \* B \*



Wire : NR (dumet), SN (Tin), NI (Ni)

Center temperature : A (0°C), B (25°C), C (50°C), D (75°C), E(85°C),  
F(100°C), G(150°C), H(200°C)

Tolerance of B constant : F (±1%), G(±2%), H(±3%), J(±5%)

B constant : 34 (3400K ~ 3499K), 35 (3500K ~ 3599K)

Tolerance of resistance: F (±1%), G(±2%), H(±3%), J(±5%)

Resistance at 25°C : 310 =  $10 \times 10^3 = 10k\Omega$

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1) Other values are available upon request. Please contact us