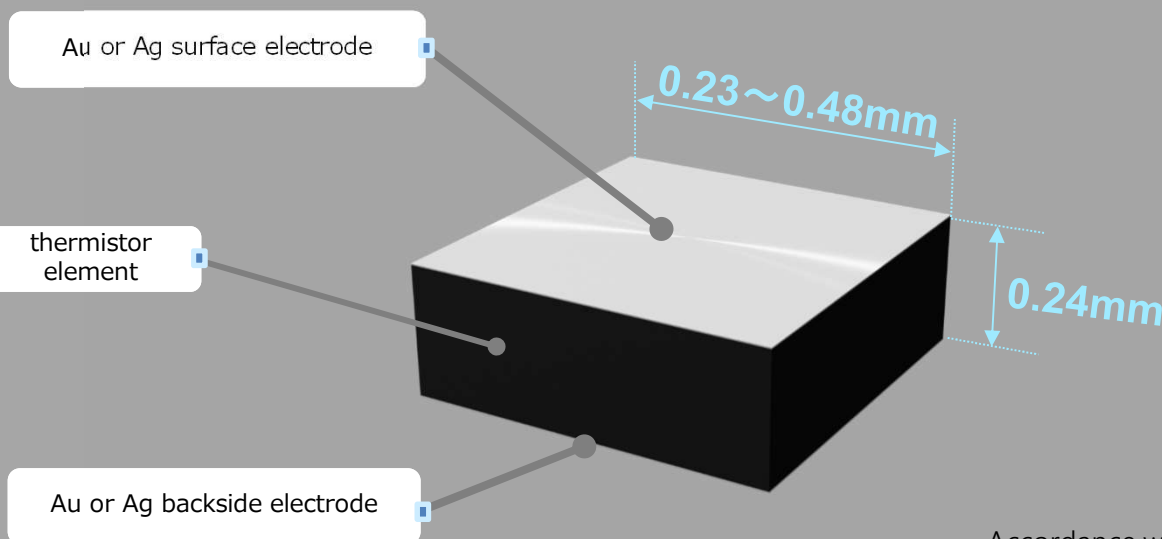




# High-temp operation, ultra-small

## NTC Bulk Chip Thermistor for 200°C for Wire Bonding



Accordance with RoHS



### Features

- Wide temperature ranges from  $-40^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$  are ideal for SiC and GaN.
- Electrodes can be selected from Au (gold) or Ag (silver) depending on the application.
- Our unique formulation method customizes resistance and B constant to your specifications and requirements.
- The ultra-compact type contributes to thinner mounting boards.
- Thermal Response: Featuring minimal thermal capacity, yet heightened sensor sensitivity.
- Can be used for a wide range of applications including high-precision temperature measurement, temperature compensation, and temperature adjustment.
- AEC-Q200 compliant product.

### Application

- OCM(Optical Communication Modules) / Optical Transceiver Modules
- LiDAR
- LED and LD headlights
- IGBT (Insulated Gate Bipolar Transistor)
- Inverters for EV / HEV
- Temperature compensation for GPUs, semiconductors and electronic components
- MOSFET (Metal-Oxide-Semiconductor Field-Effect Transistor)
- Automotive ABS control circuit

The product characteristics can be customized according to customer requirements. Please feel free to contact us.

### Specification data

Chip size	Operating temperature	Resistance(25°C)	Resistance Tolerance	B constant (25°C/85°C)	B constant tolerance	electrode
L,W:0.23mm ±0.05mm T:0.24mm ±0.05mm	$-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$	29kOhm	$\pm 1\% \sim 3\%$	3960K	$\pm 1\%$	Au or Ag
L,W:0.34mm ±0.05mm T:0.24mm ±0.05mm		32kOhm				
L,W:0.46mm ±0.05mm T:0.24mm ±0.05mm		58kOhm				
L,W:0.48mm ±0.05mm T:0.24mm ±0.05mm		127kOhm				