



# Chip NTC Thermistor / NTCG Series

Temperature protection device

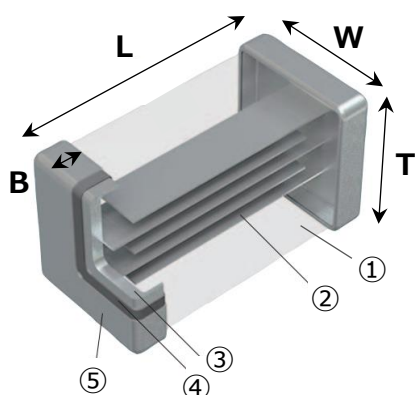
JIS1005 [EIA 0402]

[NTCG104ED104DT1SX](#)

- ▶ Max. Temp. 150°C
- ▶ Automotive Grade
- ▶ Compliant with AEC-Q200



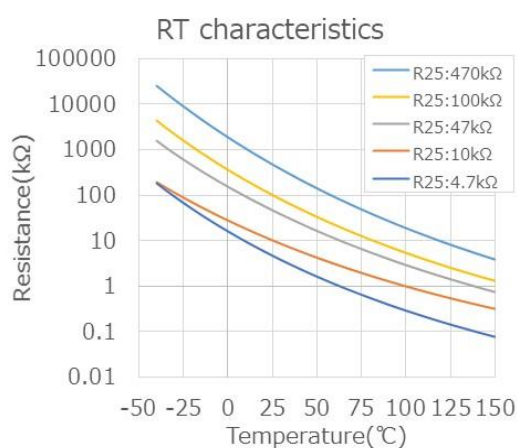
## Dimension and Construction



| Symbol | Dimension  |
|--------|------------|
| L      | 1.0±0.05mm |
| W      | 0.5±0.05mm |
| T      | 0.5±0.05mm |
| B      | 0.1mm min. |

| No. | Name                   |
|-----|------------------------|
| ①   | Semiconductor ceramics |
| ②   | Internal electrode     |
| ③   | Base electrode         |
| ④   | Ni plating             |
| ⑤   | Sn plating             |

## Electrical Characteristics



| Item                          |               | Specification        |
|-------------------------------|---------------|----------------------|
| Resistance                    | [at 25°C]     | 100kΩ±0.5%           |
| B value                       | [at 25/50°C]  | 4250K±0.5%           |
|                               | [at 25/85°C]  | 4308K typ.           |
| Max. Rated power              | [at 25°C]     | 125mW                |
| Thermal Dissipation Constant  | [at 25°C]     | 1mW/°C               |
| Permissible Operating Current | [at 25°C]     | 0.1mA                |
| Max. Voltage                  |               | 5V                   |
| Operating Temperature         |               | -40°C~150°C          |
| 1degC Step Data               | [-40°C~150°C] | <a href="#">Link</a> |

## Package



| Item             | Specification            |
|------------------|--------------------------|
| Packing          | Taping ( Paper carrier ) |
| Reel Dimension   | φ180mm                   |
| Packing Quantity | 10,000pcs/reel           |
| Weight           | 0.0013g                  |