

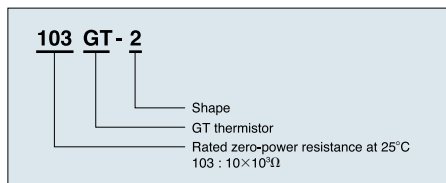
HIGH HEAT-RESISTANCE AND HIGH SENSITIVE THERMISTOR

GT THERMISTOR

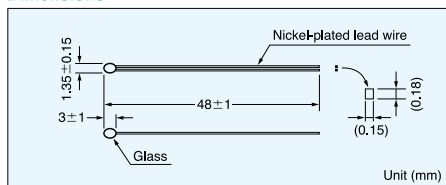
GT thermistor is combined both superior feature of BT thermistor and ET thermistor as fast response time, high reliability, wide category temperature range, high moisture proof, high accuracy and reasonable price.

GT thermistor is made up of a high quality thermistor element and the lead wire is connected to the thermistor element by alloyed technology, and glass coating for the thermistor element.

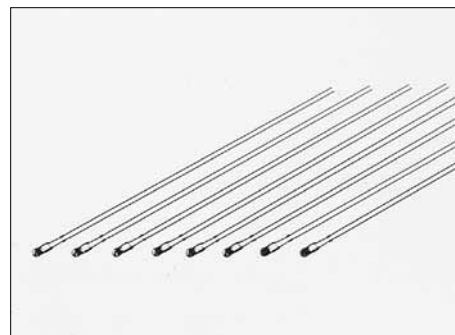
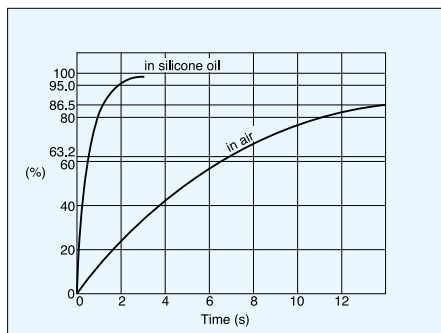
Part number



Dimensions



Time constant



Specifications

| Part No. | R ₂₅ *1 | B value*2 | Dissipation factor (mW/°C) Approx. | Thermal time constant(s)*3 Approx. | Rated maximum power dissipation (at 25°C)(mW) | Category temp. range(°C) |
|----------|--------------------|------------|------------------------------------|------------------------------------|---|--------------------------|
| 102GT-2 | 1.0kΩ ± 3% | 3305K ± 2% | 0.6 | 7 | 3.0 | -50 ~ +200 |
| 202GT-2 | 2.0kΩ ± 3% | 3838K ± 2% | | | | |
| 502GT-2 | 5.0kΩ ± 3% | 3964K ± 2% | | | | |
| 103GT-2 | 10.0kΩ ± 3% | 4126K ± 2% | | | | |
| 203GT-2 | 20.0kΩ ± 3% | 4282K ± 2% | | | | |
| 503GT-2 | 50.0kΩ ± 3% | 4288K ± 2% | | | | |
| 104GT-2 | 100.0kΩ ± 3% | 4267K ± 2% | | | | |
| 104GTA-2 | 100.0kΩ ± 3% | 4390K ± 2% | | | | |
| 204GT-2 | 200.0kΩ ± 3% | 4338K ± 2% | | | | |
| 504GT-2 | 500.0kΩ ± 3% | 4526K ± 2% | | | | -50 ~ +300 |
| 105GT-2 | 1000.0kΩ ± 3% | 4608K ± 2% | | | | |

Specifications

| Part No. | Rated zero-power resistance | | | temperature (°C) | B value*2 | Dissipation factor (mW/°C) Approx. | Thermal time constant(s)*3 Approx. | Rated Electricity mW at 25°C | Category temp. range(°C) |
|----------------|-----------------------------|------------|-----------|------------------|------------|------------------------------------|------------------------------------|------------------------------|--------------------------|
| | temperature*1 (°C) | resistance | tolerance | | | | | | |
| 252GT-2-20185 | 0 | 6kΩ | ±5% | 0/100 | 3390K ± 2% | 0.6 | 7 | 3.0 | -50 ~ +300 |
| 252GT-2-20197 | 25 | 2.5kΩ | ±2.5% | | | | | | |
| 262GT-2-20198 | 0 | 8kΩ | ±1% | 25/50 | 3745K ± 2% | | | | |
| 542GT-2-20184 | 75 | 0.7331kΩ | ±3% | 0/100 | 3450K ± 2% | | | | |
| 542GT-2-20186 | 0 | 15kΩ | ±3% | | | | | | |
| 852GT-2-20156 | 50 | 3.485kΩ | ±3% | 25/85 | 3435K ± 1% | | | | |
| 103GT-2-20196 | 25 | 10kΩ | ±1% | 25/125 | 3980K ± 2% | | | | |
| 103GTA-2-20199 | 25 | 10kΩ | ±5% | 0/100 | 3970K ± 2% | | | | |
| 303GT-2-20205 | 25 | 30kΩ | ±3% | 100/200 | 4300K ± 3% | | | | |
| 333GT-2-20204 | 125 | 1.509kΩ | ±3% | 100/200 | 4537K ± 1% | | | | |
| 493GT-2-20157 | 5 | 127kΩ | ±2% | | 4537K ± 2% | | | | |
| 493GT-2-20159 | 75 | 7.214kΩ | ±3% | 200/300 | 5133K ± 3% | | | | |
| 493GT-2-20188 | 40 | 26.06kΩ | ±2% | | | | | | |
| 104GT-2-20201 | 25 | 100kΩ | ±3% | | | | | | |
| 234GT-2-20194 | 25 | 231.44kΩ | ±3% | | | | | | |
| 234GT-2-20195 | 150 | 3.161kΩ | ±3% | | | | | | |
| 145GT-2-20203 | 200 | 4kΩ | ±5% | | | | | | |

*1 Rated zero-power resistance at each temperature.

*2 B value : determined by rated zero-power resistance at each temperature.

*3 Time when thermistor reaches 63.2% of the temperature difference. The value is measured in the air.