

# JT Thermistor Series (high accuracy, ultra-thin type)

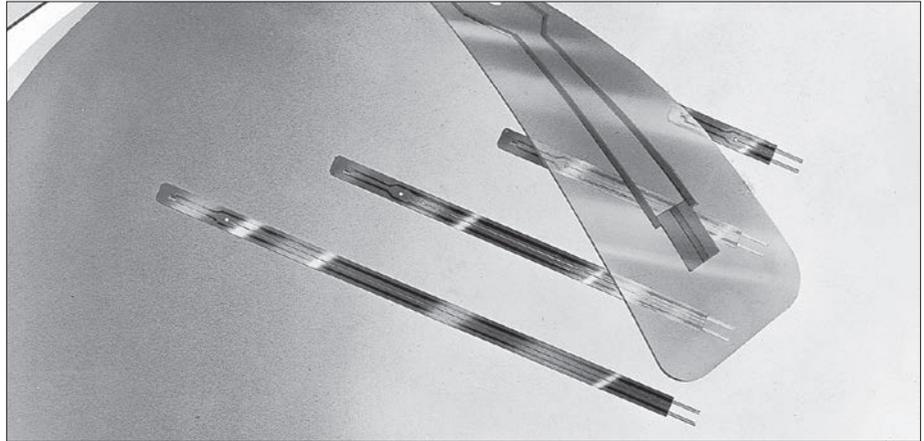
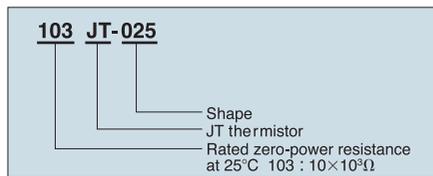
## JT THERMISTOR

The JT thermistor series features a thickness of less than 500 μm and can be installed in spaces as thin as a telephone card. The JT thermistors also have excellent electrical insulation and can be safely used in environments where they might come in contact with electrodes.

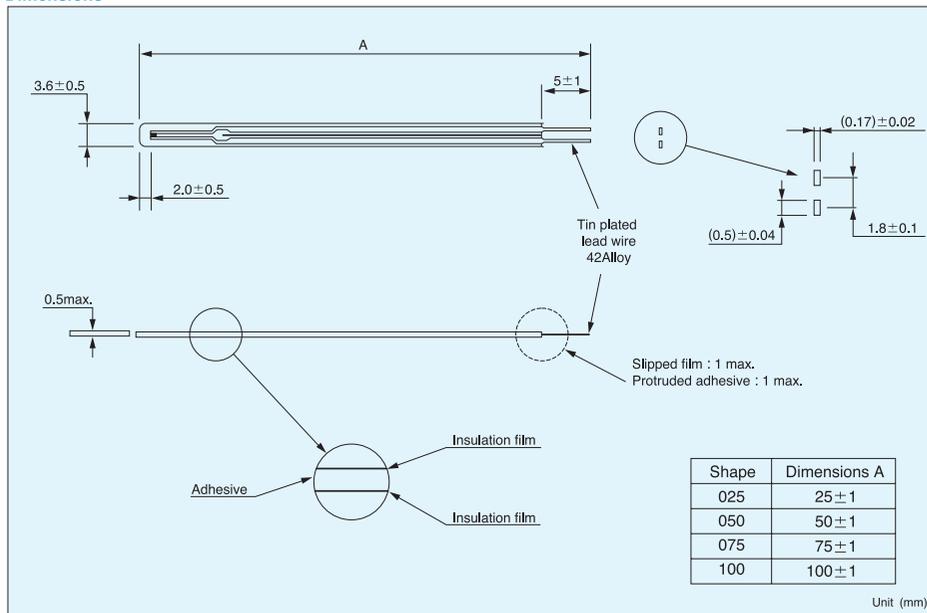
### Applications

Battery packs, IT devices, mobile devices, LCDs, surface temperature sensors, fast response air temperature sensors

### Part number



### Dimensions



### Resistance-Temperature

| Temperature (°C) | Type   |       |
|------------------|--------|-------|
|                  | 103JT  | 104JT |
| -50              | 367.7  | 9584  |
| -40              | 204.7  | 4572  |
| -30              | 118.5  | 2282  |
| -20              | 71.02  | 1191  |
| -10              | 43.67  | 647.2 |
| 0                | 27.70  | 365.0 |
| 10               | 18.07  | 212.5 |
| 20               | 12.11  | 127.7 |
| 30               | 8.301  | 78.88 |
| 40               | 5.811  | 50.03 |
| 50               | 4.147  | 32.51 |
| 60               | 3.011  | 21.61 |
| 70               | 2.224  | 14.66 |
| 80               | 1.668  | 10.13 |
| 90               | 1.267  | 7.135 |
| 100              | 0.9753 | 5.111 |
| 110              | 0.7597 | 3.720 |
| 120              | 0.5981 | 2.746 |
| 125              | 0.5331 | 2.371 |

Unit (kΩ)

### Specifications

| Part No.  | R <sub>25</sub> *1 | B value*2  | Dissipation factor (mW/°C) Approx. | Thermal time constant (s)*3 | Rated maximum power dissipation (at 25°C) (mW) | Category temp. range (°C) |
|-----------|--------------------|------------|------------------------------------|-----------------------------|--|---------------------------|
| 103JT-□□□ | 10kΩ ± 1%          | 3435K ± 1% | 0.7                                | 5                           | 3.5  | -50 ~ +125                |
| 104JT-□□□ | 100kΩ ± 1%         | 4390K ± 1% |                                    |                             |  |                           |

\*1 Rated zero-power resistance value at 25°C. Resistance tolerance of ±2% and ±3% also available.

\*2 B value determined by rated zero-power resistance at 25°C and 85°C.

\*3 Time necessary to reach 63.2% of temperature difference. Measured in still air.