

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.

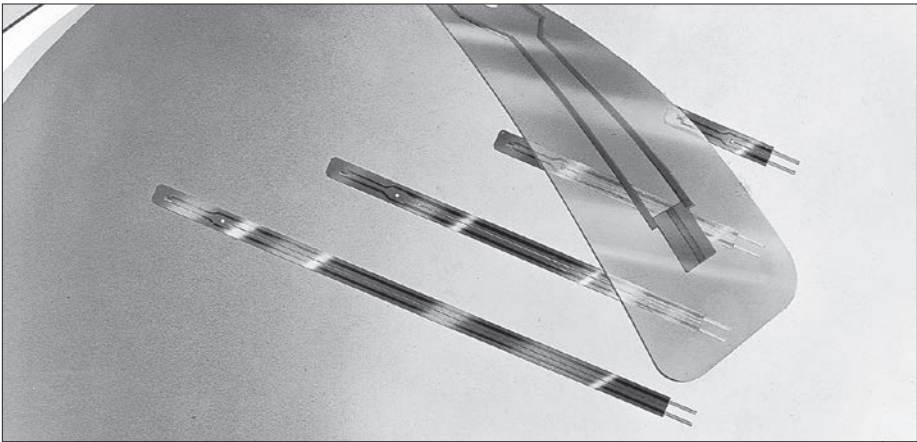
Applications

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

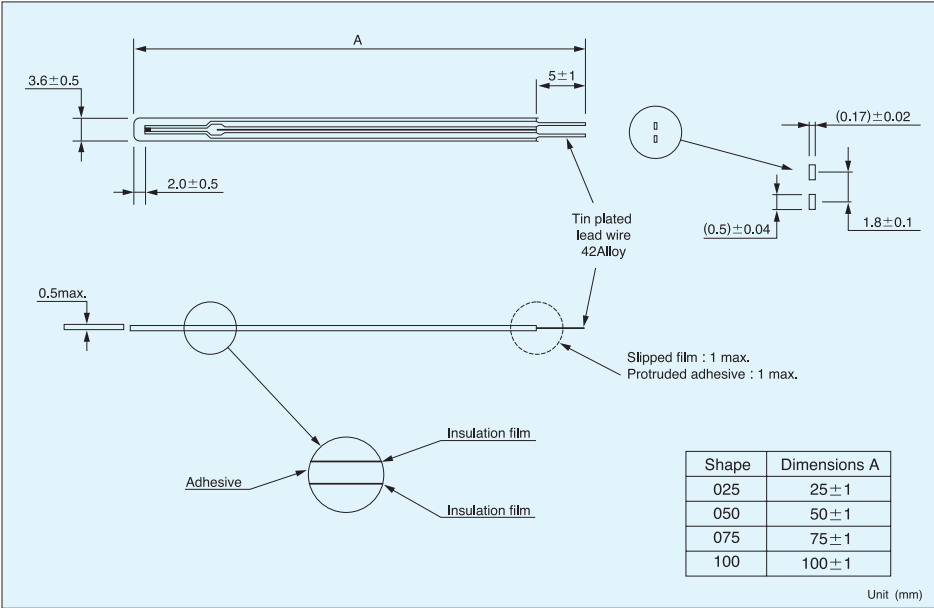
Part number

103 JT-025

Shape
JT thermistor
Rated zero-power resistance
at 25°C 103 : $10 \times 10^3 \Omega$



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_{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)
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.