

# CHIP TYPE THERMISTOR

## KT THERMISTOR

Chip thermistors are specially processed, highly reliable thermistors. They can be face-bonded to act as thermal compensators for ICs and they are manufactured in sizes down to 1 square mm, they can also be used to detect temperature with relatively small time constants.

### KT-type Part number



### Precautions

- Do not expose the thermistors to high soldering heat for more than specified time. (260°C for not longer than 10s is recommended)

### Dimensions



### Reflow soldering profile



### Taping (1608 type)



Minimum quantity: 4000pcs/reel

### (1005 type)



Minimum quantity: 10000pcs/reel

### Specifications

Part No.	R <sub>25</sub> <sup>*1</sup>	B value <sup>*2</sup>	Dissipation factor (mW/°C) Approx.	Thermal time constant(s) <sup>*3</sup> Approx.	Rated maximum power dissipation (at 25°C)(mW)	Category temp. range(°C)
103KT1608T	10kΩ	3435K ± 1%	0.9	5.0	4.5	-40 ~ +125
503KT1608T	50kΩ	4055K ± 1%				
104KT1608T	100kΩ	4390K ± 1%				
103KT1005T	10kΩ	3435K ± 1%	0.7	2.2	3.5	

\*1 R<sub>25</sub>: Rated zero-power resistance value at 25°C.

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

\*3 Time when thermistor temperature reaches 63.2% of the temperature difference. The value is measured in the air. Other resistance is available, please ask.