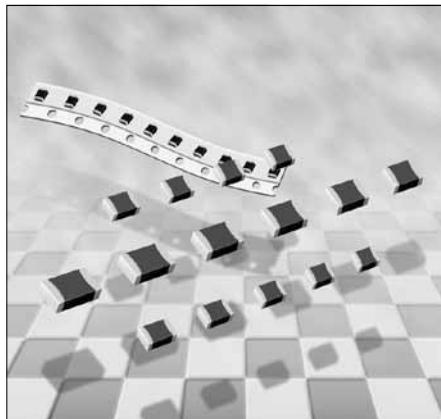


# CHIP TYPE THERMISTOR

## 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

103	KT	1608T - □□
1P:±1%	2P:±2%	3P:±3%
Dimension(EIAJ) 1608		
Chip thermistor		

Rated zero-power resistance at 25°C 103:10×10<sup>3</sup>Ω

### Precautions

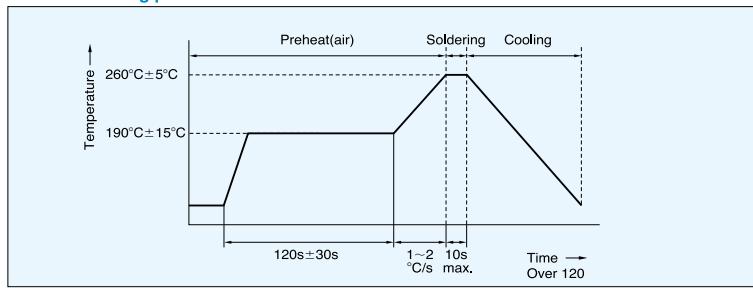
- Do not expose the thermistors to high soldering heat for more than specified time. (260°C for not longer than 10s is recommended)

### Dimensions

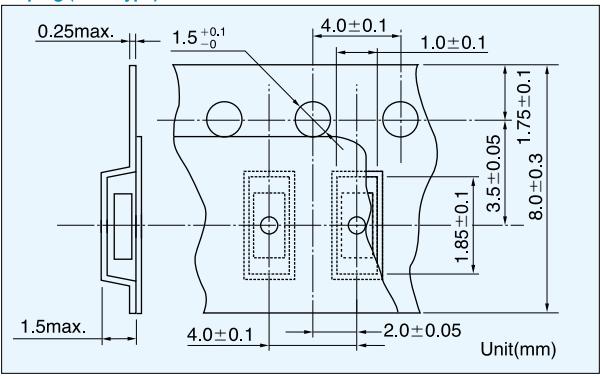
EIAJ	EIA	L	W	T	L <sub>1</sub>
1005	0402	1.00±0.15	0.50±0.10	0.6max.	0.15~0.30
1608	0603	1.60±0.15	0.80±0.15	0.95max.	0.20~0.50

Unit(mm)

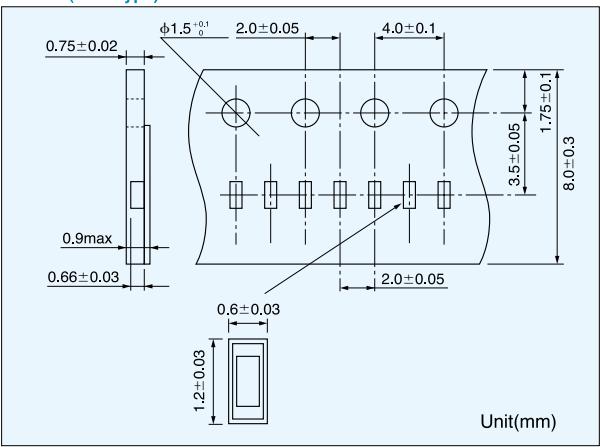
### Reflow soldering profile



### Taping (1608 type)



### (1005 type)



### 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%				

\*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.