

# CHIP TYPE THERMISTOR

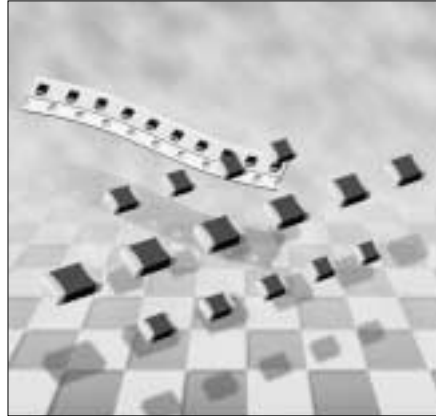
## SMD type chip

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.

### Part number

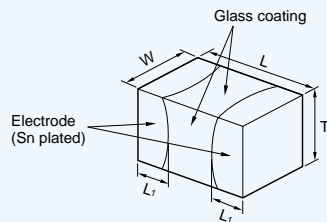
103	KT	2125T	-□□
1P:±1%,2P:±2%,3P:±3%			
Dimension(EIAJ) 2125			
Chip thermistor			
Rated zero-power resistance at 25°C 103:10kΩ			



### Precautions

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

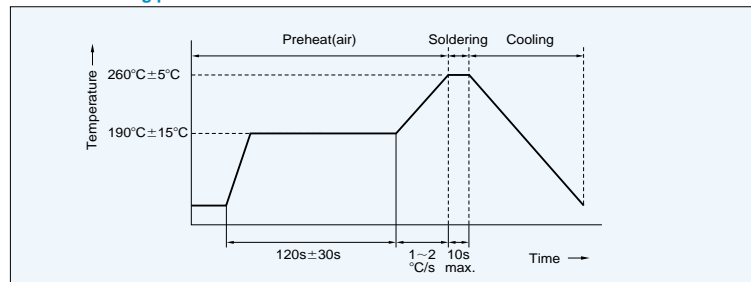
### Dimensions



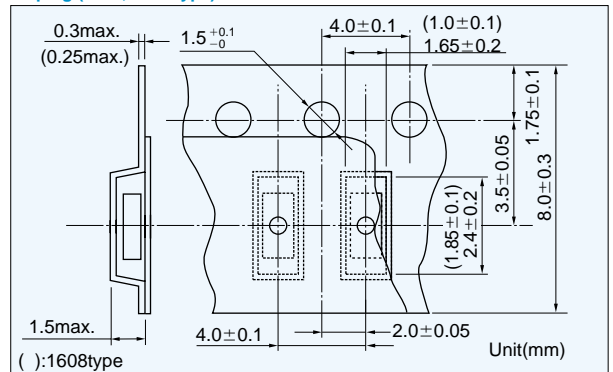
EIAJ	EIA	L	W	T	L <sub>1</sub>
1005	0402	1.00±0.15	0.50±0.10	0.6max.	0.15±0.30
1608	0603	1.60±0.15	0.80±0.15	0.95max.	0.20±0.50
2125	0805	2.00±0.20	1.25±0.20	1.2max.	0.20±0.50

Unit(mm)

### Reflow soldering profile

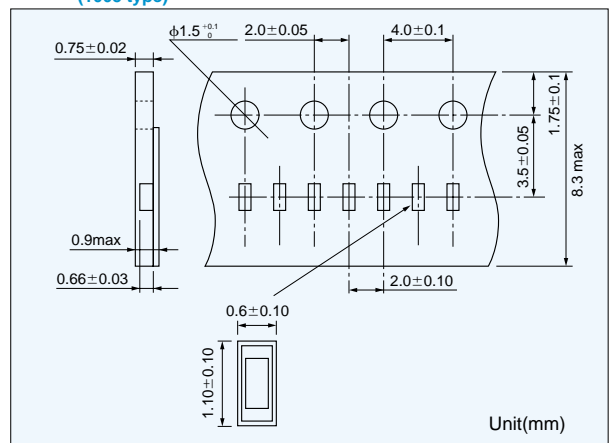


### Taping (2125, 1608 type)



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)	Thermal time constant(s) <sup>*3</sup>	Rated power at 25 °C(mW)	Operating temp. range(°C)
103KT2125T	10kΩ	3435K±1%	1.0	7.5	5.0	-40~125
103KT1608T	10kΩ	3435K±1%	0.9	5.0	4.5	-40~125
503KT1608T	50kΩ	4055K±1%	0.9	5.0	4.5	-40~125
104KT1608T	100kΩ	4390K±1%	0.9	5.0	4.5	-40~125
103KT1005T	10kΩ	3435K±1%	0.7	2.2	3.5	-40~125

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

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

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