

# CHIP TYPE THERMISTOR

**New**

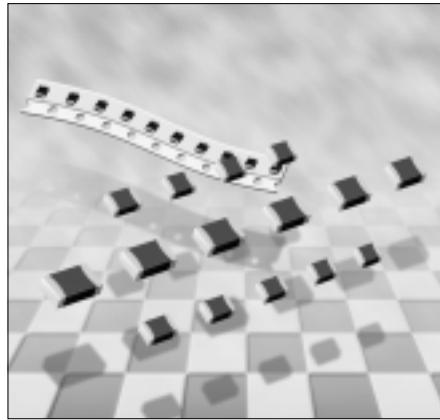
## SMD type chip

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

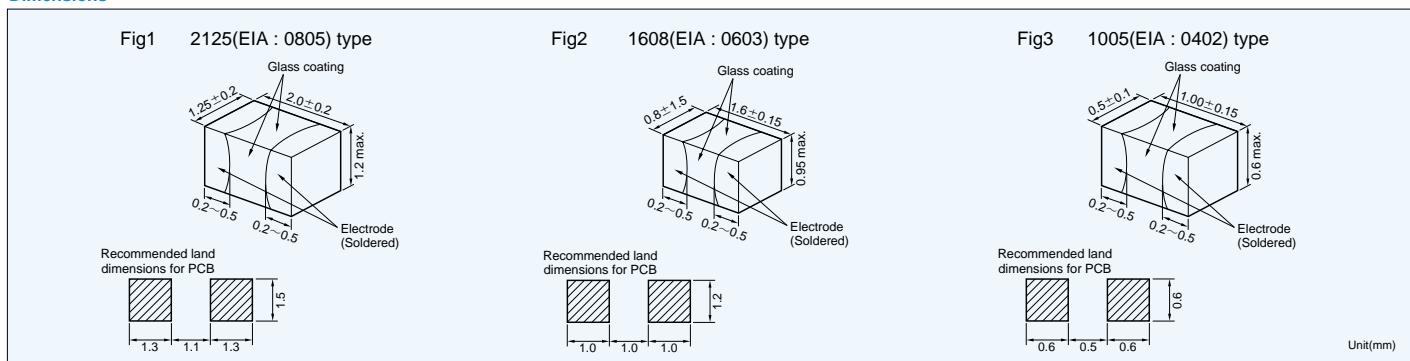
103	KT	2125	- □ □
			1P:±1%,2P:±2%,3P:±3%
			Dimension(EIAJ) 2125: Fig1 1005:Fig3
			1608 : Fig2
			Chip thermistor
			Rated zero-power resistance at 25°C 103:10kΩ



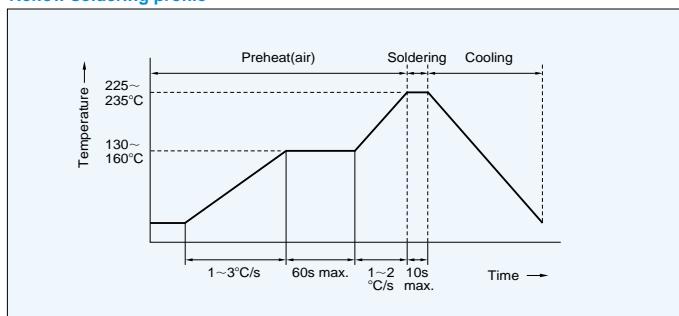
### Precautions

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

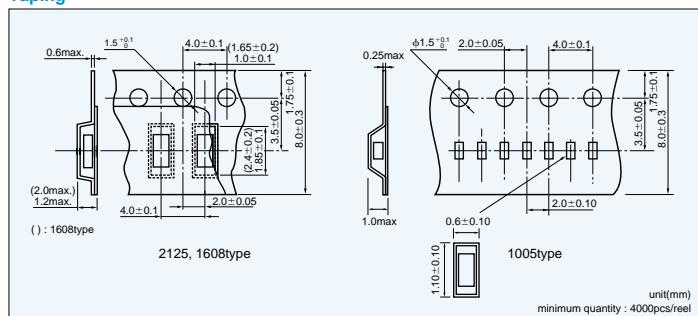
### Dimensions



### Reflow soldering profile



### Taping



### 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)
103KT2125	10kΩ	3435K±1%	1.0	7.5	5.0	-40~125
103KT1608	10kΩ	3435K±1%	0.9	5.0	4.5	-40~125
103KT1005	10kΩ	3435K±1%	0.7	2.2	3.5	-40~125
503KT1608	50kΩ	4055K±1%	0.9	5.0	4.5	-40~125
104KT1608	100kΩ	4390K±1%	0.9	5.0	4.5	-40~125

\*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.