



CHIP TYPE THERMISTOR

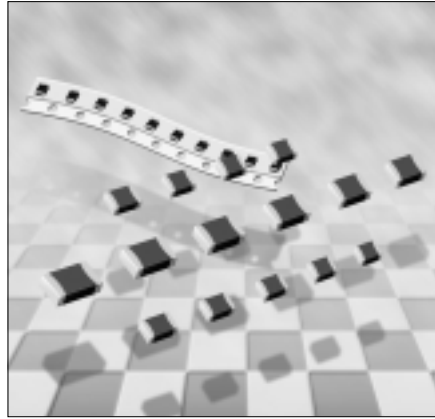
New

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

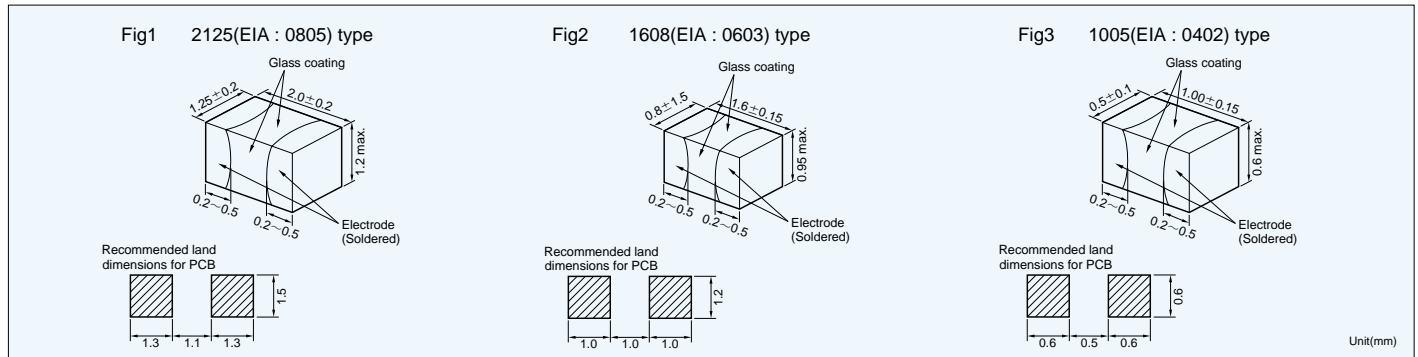
103	KT	2125	-		
1P: ±1%, 2P: ±2%, 3P: ±3%					
Dimension(EIAJ) 2125: Fig1 1005: Fig3					
1608: Fig2					
Chip thermistor					
Rated zero-power resistance at 25°C 103:10kΩ					



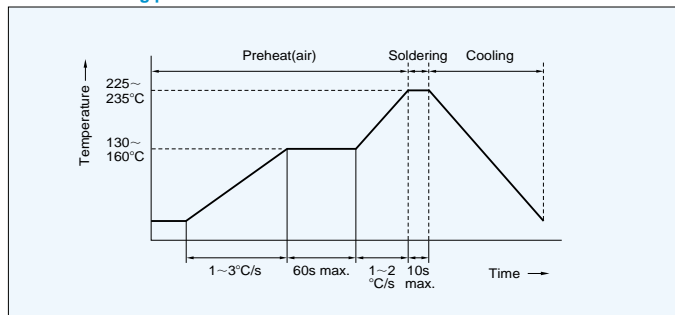
Precautions

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

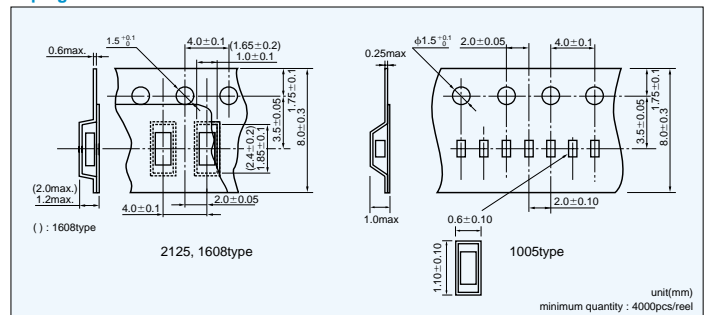
Dimensions



Reflow soldering profile



Taping



Specifications

Part No.	R ₂₅ ^{*1}	B value ^{*2}	Dissipation factor (mW/ °C)	Thermal time constant(s) ^{*3}	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} R₂₅: 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.