

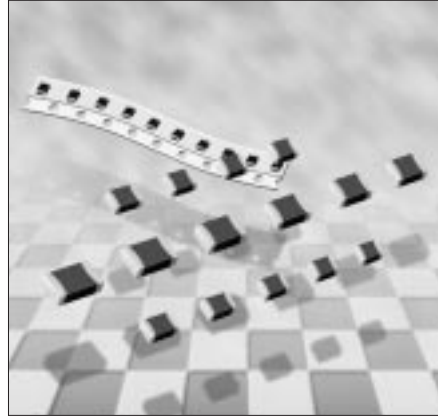
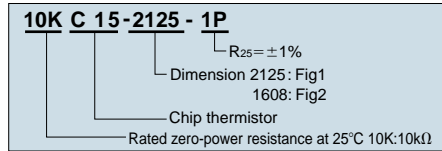
New

CHIP THERMISTOR

Chip thermistors are specially processed, highly reliable thermistors with electrodes of silver and palladium alloy. 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.

EIAJ type

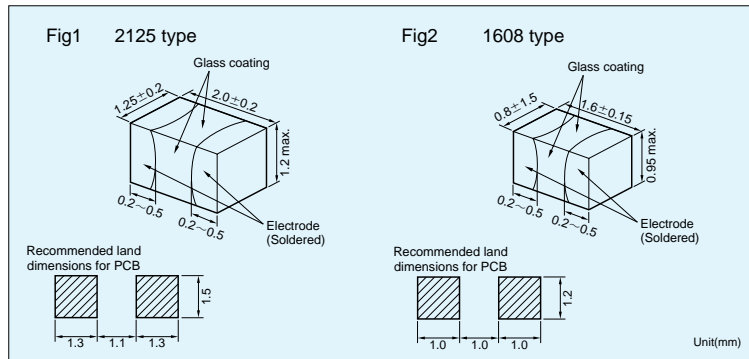
Part number



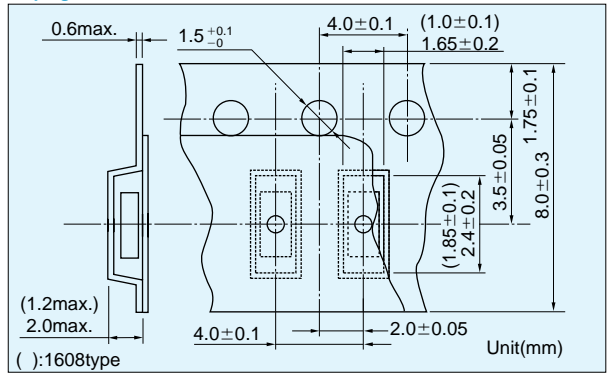
Precautions

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

Dimensions

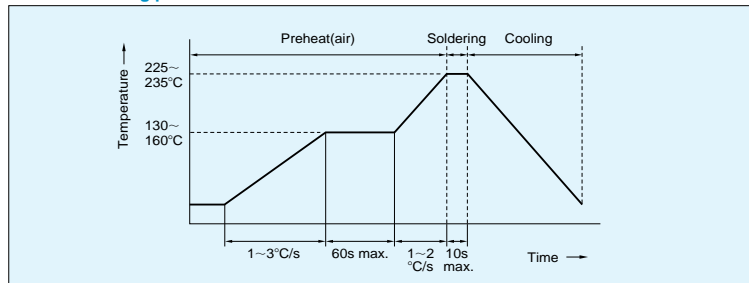


Taping



Minimum quantity:4000pcs/reel

Reflow soldering profile



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)
10KC15-2125-1P	10kΩ±1%	3435K±1%	1.0	7.5	5.0	-40~125
10KC15-2125-2P	10kΩ±2%	3435K±1%	1.0	7.5	5.0	-40~125
10KC15-2125-3P	10kΩ±3%	3435K±1%	1.0	7.5	5.0	-40~125
10KC15-1608-1P	10kΩ±1%	3435K±1%	0.9	5.0	4.5	-40~125
10KC15-1608-2P	10kΩ±2%	3435K±1%	0.9	5.0	4.5	-40~125
10KC15-1608-3P	10kΩ±3%	3435K±1%	0.9	5.0	4.5	-40~125

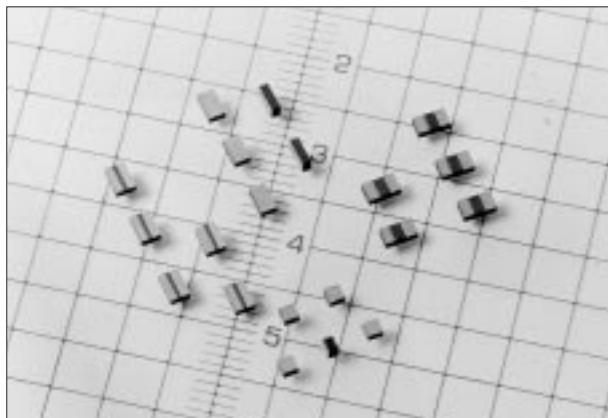
*1 R_{25} : Rated zero-power resistance value at 25°C.

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

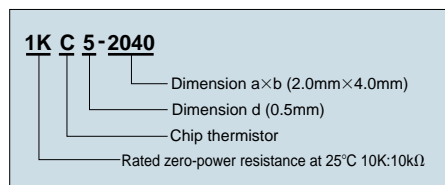
*3 Time when thermistor temperature reaches 63.2% of the temperature difference. The value is measured in the air.

CHIP THERMISTOR

Chip thermistors are specially processed, highly reliable thermistors with electrodes of silver and palladium alloy. 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.



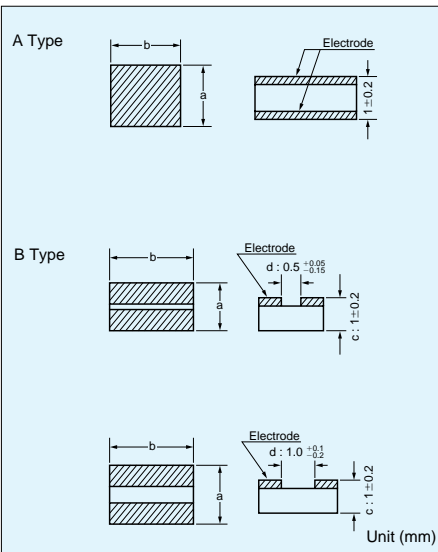
Part number



Precautions

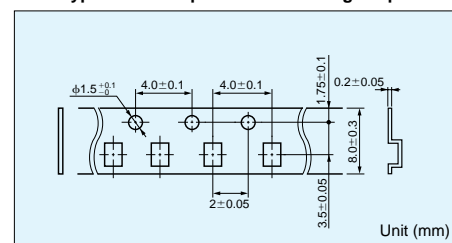
- The thermistors are not moisture proof, so store them in a dry place.
- Do not expose the thermistors to high soldering heat for too long. (220°C for not longer than 5 sec. is recommended)

Dimensions



Taping

Some types can be taped in the following shape :



Minimum quantity: 3000pcs/reel

Specifications

A Type			B Type(d=0.5)			B Type(d=1.0)		
Part No	R ₂₅ ^{*1}	B value ^{*2}	Part No	R ₂₅ ^{*1}	B value ^{*2}	Part No	R ₂₅ ^{*1}	B value ^{*2}
500C0-1717	0.5kΩ ± 10%	3250K ± 5%	500C5-2039	0.5kΩ ± 10%	3250K ± 5%	—	—	—
1KC0-1717	1.0kΩ ± 10%		1KC5-2040	1.0kΩ ± 10%		1KC10-3239	1.0kΩ ± 10%	3250K ± 5%
2KC0-1212	2.0kΩ ± 10%	3400K ± 5%	2KC5-2020	2.0kΩ ± 10%	2KC10-3220	2.0kΩ ± 10%	3500K ± 5%	
5KC0-1111	5.0kΩ ± 10%		5KC5-2012	5.0kΩ ± 10%	5KC10-3224	5.0kΩ ± 10%		
10KC0-1717	10.0kΩ ± 10%	3850K ± 5%	10KC5-2038	10.0kΩ ± 10%	10KC10-3212	10.0kΩ ± 10%	3500K ± 5%	
20KC0-1212	20.0kΩ ± 10%		20KC5-2019	20.0kΩ ± 10%	20KC10-3238	20.0kΩ ± 10%		3850K ± 5%

*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.
Operating temp. range: -30~110°C