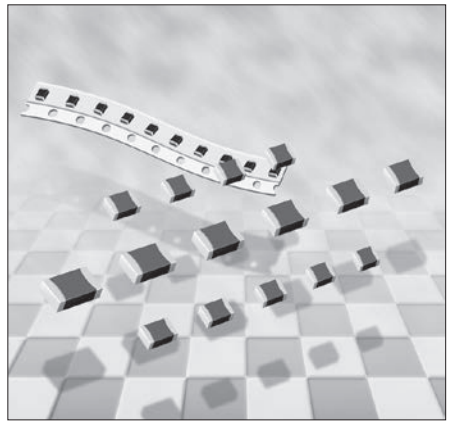
KT THERMISTOR

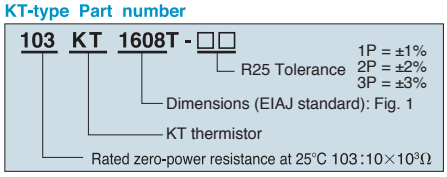
The KT thermistor series features high accuracy (both resistance and B-value tolerance of ±1%). This chip sensor is based on EIAJ standards (dimensions: 1005, 1608) and highly reliable.



Applications

Office automation, communication devices, IT devices, mobile devices, battery packs, LCDs, hybrid ICs, AV devices

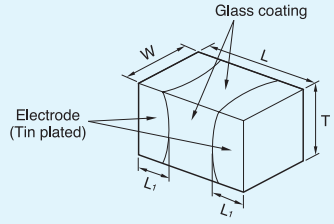
KT-type Part number



Precautions

Do not expose the thermistors to high soldering heat for any longer than the specified time. (We recommend no longer than 10s at 260°C.)

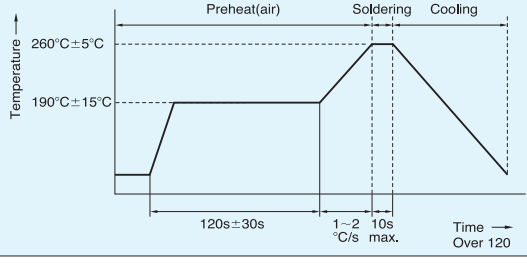
Dimensions



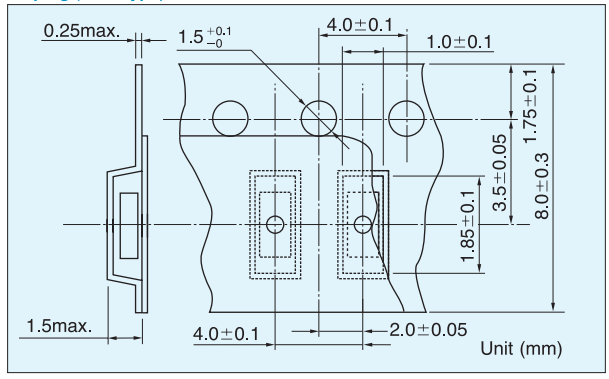
EIAJ	EIA	L	W	T	L_1
1005	0402	1.00±0.15	0.50±0.10	0.6max.	0.15~0.30
1608	0603	1.60±0.15	0.80±0.15	0.95max.	0.20~0.50

Unit (mm)

Reflow soldering profile

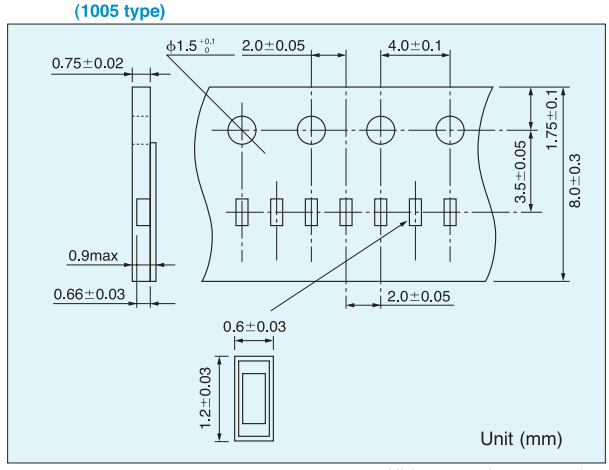


Taping (1608 type)



Minimum quantity: 4000pcs/reel

(1005 type)



Minimum quantity: 10000pcs/reel

Specifications

Part No.	R_{25}*1	B value*2	Dissipation factor (mW/°C) Approx.	Thermal time constant (s)*3 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%	0.7	2.2	3.5	

Do not expose the thermistors to high soldering heat for any longer than the specified time. (We recommend no longer than 10s at 260°C.)

*1 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 necessary to reach 63.2% of temperature difference. Measured in still air.