

## CT Series NTC THERMISTOR

The SMD series 0201/0402/0603/0805 size chip NTC Thermistor have Ni barrier termination and provide excellent solderability and offer high stability in environment by unique inner construction.



### FEATURES:

- Surface mountable
- Small size
- Low cost
- Excellent solderability
- Rated to 125°C operating temperature

### APPLICATIONS:

- Temperature compensation for transistor, IC, and crystal oscillator in mobile communications
- Temperature sensor for rechargeable batteries
- Temperature compensation of LCD
- Temperature compensation and sensing in automobile entertainments such as CD, MD and Tuner
- Temperature compensation in general use of electric circuits

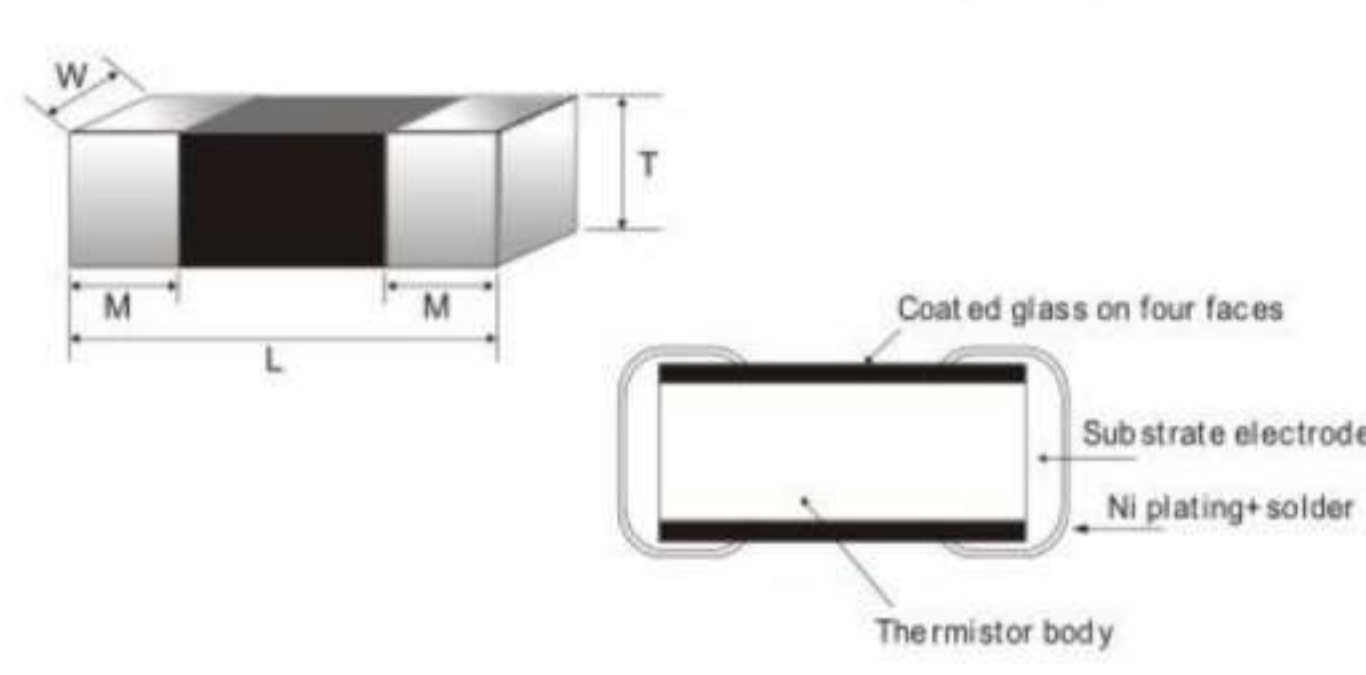
### OPTIONS:

- Alternative SMD size : 0402,0603,0805,1206
- Stock parameters: 10k3435,10k3500,10k3950,10K3977,47k4050,220k4200,etc.

## CT Series NTC THERMISTOR

### DIMENSIONS (mm):

CT:

Dimension		Unit: inch (mm)		
				
Type	L	W	T	M
0402 (1005)	0.040±0.006 (1.0±0.15)	0.020±0.004 (0.5±0.10)	0.020Max. (0.5Max.)	0.004Min. (0.10Min.)
0603 (1608)	0.063±0.006 (1.6±0.15)	0.031±0.006 (0.8±0.15)	0.037Max. (0.95Max.)	0.004Min. (0.10Min.)
0805 (2012)	0.08±0.008 (2.0±0.2)	0.05±0.008 (1.25±0.2)	0.03Max. (0.75Max.)	0.006Min. (0.15Min.)
1206 (3216)	0.126±0.008 (3.2±0.20)	0.063±0.008 (1.6±0.2)	0.060Max. (1.50Max.)	0.008Min. (0.20Min.)

### ELECTRICAL CHARACTERISTICS:

Type	Dissipation Constant (mW/°C) In still air	Thermal Time Constant (s) In still air	Working Temp.
CT	≥2	≤5	-40°C~125°C

### PACKAGING:

Packaging Option	Standard Quantity
Tape&Reel	4000pcs/reel

## CT Series NTC THERMISTOR

### ORDERING CODE:

CT   0402   R25   103   F   3435   F   B

①      ②      ③      ④      ⑤      ⑥      ⑦      ⑧

① CT : Surface Mounted Devices Type Thermistor

② Size type unit(inch):

<b>0402</b>	<b>L*W 0.04*0.02</b>
<b>0603</b>	<b>L*W 0.063*0.031</b>
<b>0805</b>	<b>L*W 0.08*0.05</b>
<b>1206</b>	<b>L*W 0.126*0.063</b>

③ Rated temperature: 25°C

④ Resistance value at rated temperature( unit: K) : 10k

⑤ Resistance tolerance: F

D	E	F	G	H	J	K
±0.2%	±0.5%	±1%	±2%	±3%	±5%	±10%

⑥ Beta value( unit: K) : 3435

⑦ B value tolerance: F

D	E	F	G	H	J	K
±0.2%	±0.5%	±1%	±2%	±3%	±5%	±10%

⑧ B value temperature code: B

A	B	C	D	E	F	G	H	M	N	X
25/50	25/85	0/25	0/50	0/100	0/80	25/100	-18/25	-20/25	5/25	others