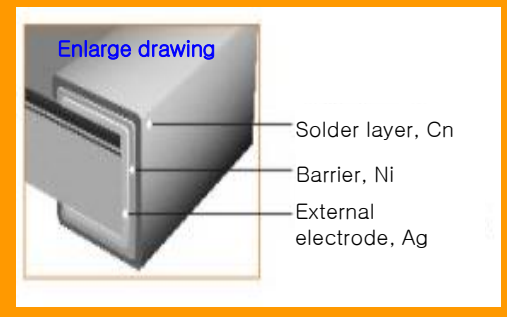
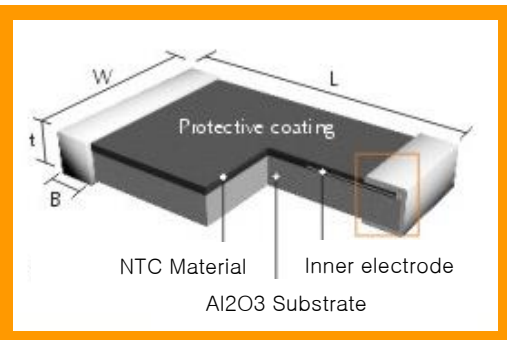


### SMD NTC Thermistor

( JTH Series )



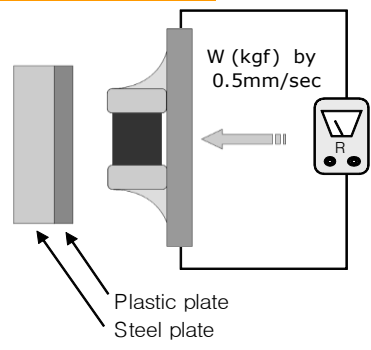
### 1 What is JTH Thermistor ?

- Have good mechanical strength because thermistor material is formed on the alumina substrate with high intensive strength.
- Resistor trimming process is applied to the production for making high precision Thermistor
- Protect the electronic equipment from caused by increasing temperature in an electronic circuit.

### 2 Application of NTC Thermistor

- Temperature Compensated Transistor , IC, TCXO, etc.
- Temperature Compensation of Battery Charger
- Temperature Compensation of LCD
- Car navigation system
- Medical Thermometer
- Computer Peripherals [CPU Battery, Hard/Floppy Disk] etc

### Mechanical strength



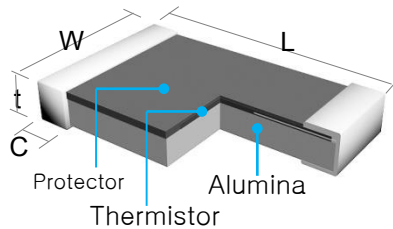
Manufacturer	Other company	Joinset [ECTH series]	Joinset [JTH series]
Part No.	1005 (0402)	ECTH1 00505 103F3435FST	JTH05 103F3435F
1	18	20	20
2	20	20	20
3	20	18	20
4	12	20	20
5	19	20	20
6	20	9	20
7	20	20	20
8	8	13	20
9	16	16	20
10	20	20	20
<b>Max.</b>	<b>20</b>	<b>20</b>	<b>20</b>
<b>Min.</b>	<b>8</b>	<b>9</b>	<b>20</b>
<b>Avg.</b>	<b>17.3</b>	<b>17.6</b>	<b>20</b>
<b>Comment</b>	50% samples are over 20kgf	60% samples are over 20kgf	All samples are over 20kgf

### 3 Order method : JTH 05 103 F 3435 F S I

① Series	SMD NTC Thermistor JTH Series
② Size(L×W)	05=1005, 16=1608
③ Resistance @25°C	103 = 10,000 Ω [ = 10×10 <sup>3</sup> Ω ]
④ R Tolerance	F: ±1% , G : ±2% , H : ±3% , J : ±5% , S : Special code
⑤ B(25/85)	3435K
⑥ B Tolerance	F: ±1% , G : ±2% , H : ±3%
⑦ Type	S: Pb free product
⑧ Packing	T : Paper carrier Tape & Plastic Reel , B : Bulk

### SMD NTC Thermistor ( JTH Series )

#### 4 Size & Dimension



(Unit : mm)

Type	L	W	t	C
1005	1.00 ± 0.05	0.50 ± 0.05	0.35 ± 0.05	0.25 ± 0.10
1608	1.60 ± 0.05	0.80 ± 0.10	0.55 ± 0.10	0.40 ± 0.20

#### ► SMD NTC Thermistor JTH Series

NO	Size [mm]	Electrical specifications						Part No.
		R <sub>25C</sub> [Ω]	ΔR[%]	B <sub>25/85</sub> (K)	ΔB[%]	δ(mW/°C)	τ(sec)	
1	1005	10,000	1	3435	1	1	3	JTH05103F3435FST
2	1608	10,000	1	3435	1	1	3	JTH16103F3435FST
3	1608	50,000	1	3970	1	1	3	JTH16503F3970FST