

NTC thermistor is Negative Temperature Coefficient of Thermistor resistor, whose primary function is to exhibit a change in electrical resistance with a change in body temperature. Its resistance decreases with the increase of temperature.

Chip NTC thermistor has smaller size and faster response time, suitable for all kinds of miniaturization of products.



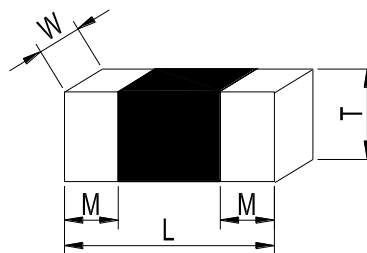
Typical Applications

- Rechargeable batteries and CPU.
- LCD, Crystal oscillator
- Temperature compensation
- Temperature sensing for various types of circuits.

Features

- Small size and fast response
- Corresponding to high B Value

Dimensions (mm)



Size	L(length)	W(width)	T(thickness)	M(width of termination point)
0603 (1608)	.063±.006 (1.6±0.15)	.031±.006 (0.8±0.15)	.037max (0.95max)	.004min (0.10min)
0805 (2012)	.08±.008 (2.0±0.20)	.05±.008 (1.25±0.2)	.05max (1.25max)	.006min (0.15min)
1206 (3216)	.126±.008 (3.2±0.20)	.063±.008 (1.6±0.20)	.063max (1.60max)	.008min (0.20min)

Ordering code

STN 10 xxx x xxxx x N I
 (1) (2) (3) (4) (5) (6) (7) (8)

① Product Code: Chip NTC Thermistor

② Size

Code	Size (Inches)
10	0603
21	0805
31	1206

③ Rated zero-power resistance (R25)

The first two are significant figure of resistance and the third one expresses number of following zeros.

④ Tolerance of R25 (%)

Code	Tolerance of R ₂₅
E	±0.5
F	±1.0
G	±2.0
H	±3.0
J	±5.0
K	±10.0
X	Special tolerance

⑤ B value constant Unit: K

⑥ Tolerance of B value (%)

Code	Tolerance of B value
E	±0.5
F	±1.0
G	±2.0
H	±3.0
J	±5.0
X	Special tolerance

⑦ Termination Code:

N—Nickel Barrier

⑧ Packaging:

T—Tape & Reel,

B—Bulk