

■ TJD Series (NTC Thermistor with Polyamide Film)

●INTRODUCTION :

TJD series insulation film NTC thermistor is made by whole-newly technique, and it has the virtue of novel configuration, high reliability and good coherence. It can be used in such occasions as temperature measurement、 control and compensation.

●APPLICATION :

Computer, Printer, Home Appliances, and so on.



●CHARACTERISTIC :

- Insulation film coated, rapid response and high sensitivity
- High stability and reliability
- Superior insulation
- High precision of resistance value
- It is possible to use with safety in ambience that might contact with electrodes
- So small, light and solid in structure as to be convenient for auto mounting (to a printed circuit board)

●MAIN TECHNOLOGY PARAMETER :

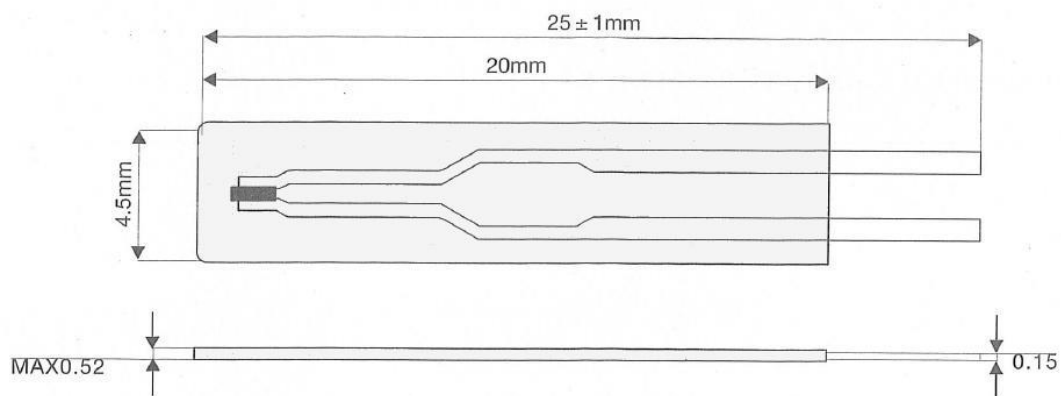
- Rated zero power resistance @25°C (R25°C): 10KΩ ~ 100KΩ
- Allowance tolerance of R25°C: F±1%、G±2%、H±3%、J±5%
- Range of B value (B25/50°C): 3380K; 3950K
- Allowance tolerance of B-value: E±0.5%、F±1%、G±2%
- Dissipation coefficient: 0.7mW/°C (in still air)
- Thermal time constant: ≤5S (in still air)
- Operating temperature: -30 ~ +125°C
- Rated power: <3.5mW

●PART NO. :

- ①TJD : is insulation film NTC thermistor
- ②Rated resistance : 103 is 10KΩ
- ③Allowable tolerance code : F±1%、G±2%、H±3%、J±5%
- ④B-value : 3380 namely 3380K

● **DIMENSION(mm) :**

Total Length (4 types): 18mm、25mm、50mm、75mm



● **NOTICE :**

- (1) Don't fold lead frame of thermistor at random in case of bad resistance value caused by the strip between chip and lead frame;
- (2) Don't let temperature exceed 300°C when soldering, and the time not exceed 0.5 second at better;
- (3) Use heat wind gun when adding heat-shrink tube, the temperature should be controlled by 120°C ;
- (4) Use constant temperature iron when soldering, the head of iron should be flat; one hand takes thermistor, the other takes wire and doing contact soldering, it can enhance manufacture efficiency and shorten the soldering time;
- (5) Special notice: don't touch chip by hands (namely the top of thermistor) !