

NTC Film Thermistor

NSE SENSOR CO., LTD

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NTC FILM THERMISTOR

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Application

- Switching power supply
- Computer / Printers
- House hold appliance
- Liquid level sensor
- Cellphone batteries
- Small device
- Battery of Mobile Telephone
- Computers

Characteristics

Reliable resistance, small size, fast detection in case of fire, Small size makes space easier, Light weight and thin thickness

- Fast response and high sensation
- High stability and reliability
- Superior electrical insulation
- High precision of resistance
- So small, light and solid in structure as to be convenient for

Type	NTC Film Thermistor
Function	Good quality of coherence and interchange
Rated Resistance (R25)	5 ~ 500 (k Ω)
The tolerance of Resistance	F : $\pm 1\%$, G: $\pm 2\%$, H: $\pm 3\%$, J: $\pm 5\%$
B-value(25/80)	3270 ~ 4750
Working Temperature Range	-40 ~ +125 $^{\circ}\text{C}$

Caution

- In order to use the product, there must be information about the resistance
- In basic design, reference should be made to the RT table of the data.
- The usage and temperature must be accurately checked.



<NTC FILM THERMISTOR>

Advantage

- Fast Fire Detection
- Small size and versatility
- It is closely related to household appliances
- It can be used as a fire detector

Customer Check Point

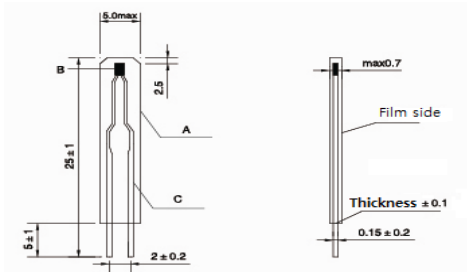
- Did you check the temperature of your environment?
- Do you confirm and design R/T table ?
- Did you check the size of the product?
- Do you use it in environments where the film does not melt well?

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Dimmension



Standards	Specification and Material
A	Polyimed Film
B	Chip
C	Phosphorcopper frame

Part Numbering Form

1	2	3	4	5	6
NTC	F	103	F	3435	F
1	Product Type	NSE SENSOR OF FILM THERMISTOR			
2	Series Type	FILM TYPE			
3	Zero Power Resistance(R25)	5KΩ ~ 500KΩ			
4	The tolerance of Resistance	F : ±1% , G: ±2% , H: ±3% , J: ±5% , K: ±10%			
5	B-value(25/80)	3435K , 3950K			
6	The tolerance of Resistance	F : 1% , G : 2%			

Caution

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- In basic design, reference should be made to the RT table of the data
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Advantage

- Fast Fire Detection
- Small size and versatility
- It is closely related to household appliances
- It can be used as a fire detector

Customer Check Point

- Did you check the temperature of your environment?
- Do you confirm and design R/T table ?
- Did you check the size of the product?
- Do you use it in environments where the film does not melt well?

- The range of resistance under the rated zero power (R25) : 5KΩ ~ 500KΩ
 - The allowable tolerance of R25
± 1% , ± 2% , ± 3% , ± 5% , ± 10%
- The allowable tolerance of I Label by Requirement
B value : ± 0.5% , ± 1%
 - Dissipation factor : ≥2mW/°C(In Still Air)
 - Thermal time constant : ≤20S(In Still Air)
- The range of operating temperature : -55°C - + 250°C

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