

NTC Epoxy Radial Thermistor

NSE SENSOR CO., LTD

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NTC EPOXY RADIAL THERMISTOR

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Application

- Air-Conditioner Equipments
- Heating Apparatus
- Electric Thermometer
- Liquid level sensor
- Home appliances
- A fire detector
- Automobile electronic
- Electric table-board
- Battery of Mobile Telephone
- Home appliances

Characteristics

Reliable resistance, small size, fast detection in case of fire, range of uses
Various wires can be fitted, epoxy can change color

- Small size , Fast response
- Steady Operating For Long Time
- Good quality of coherence and interchange
- Scale production, high ratio of Features to cost
- Epoxy coating for hermeticity from environment

Type	NTC Epoxy Thermistor
Function	Good quality of coherence and interchange
Rated Resistance (R25)	0.1 ~ 1000 (k Ω)
The tolerance of Resistance	F : $\pm 1\%$, G: $\pm 2\%$, H: $\pm 3\%$, J: $\pm 5\%$, K: $\pm 10\%$
B-value(25/80)	3100 ~ 4500
Working Temperature Range	-55 ~ +250 $^{\circ}\text{C}$

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 EPOXY THERMISTOR>

Advantage

- Fast Fire Detection
- Small size and versatility
- It is closely related to household appliances

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?

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FOR FIRE DETECTOR (EPOXY-B TYPE)

EPOXY-B Type (SPECIAL PRODUCT)

Wire Line up (A,B,C,D)

A LINE : Tinned copper wire or cp wire

Code	Dmax	L1max	L2min	d ±0.05	F ±0.05
A1	2.5	4	25	0.3	1.7
A2	3	4.5	25	0.45	2.2

B LINE : Enamelled cu wire

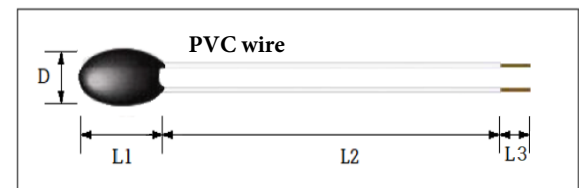
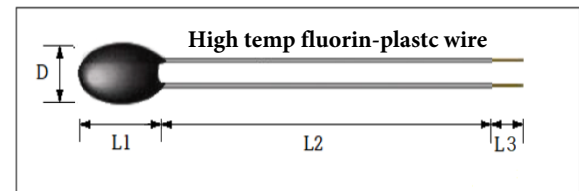
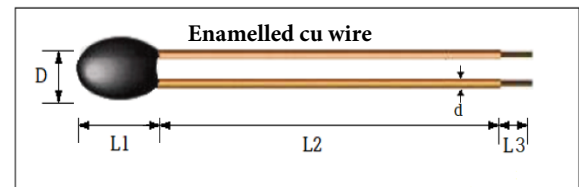
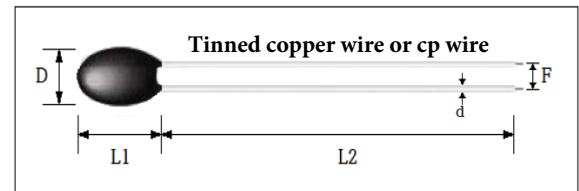
Code	Dmax	L1max	L2min	L3 ±1	d ±0.05
B1	2	3.5	by user deter -mine	3	0.2
B2	3	4	by user deter -mine	3	0.3

C LINE : High temp fluorin-plastic wire

Code	Dmax	L1max	L2min	L3 ±1	AWG
C1	3	7.5	by user deter -mine	5	30#
C2	4	4.5	by user deter -mine	5	28#

D LINE : PVC wire

Code	Dmax	L1max	L2min	L3 ±1	AWG
D1	3	7.5	by user deter -mine	5	30#
D2	4	4.5	by user deter -mine	5	28#



Caution

- You must select a wire suitable for your environment.
- Choose the thickness and type of wire carefully.
- You must select the wire material carefully

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FOR FIRE DETECTOR (EPOXY-B TYPE)

EPOXY-B Type (SPECIAL PRODUCT)

Wire Line up (E,DE,F)

E LINE : Lead and head are all special specification

Code	Dmax	L1max	L2min	L3 ±1	AWG
E1	by user deter -mine	by user deter -mine	by user deter -mine	5	by user deter -mine
E2	by user deter -mine	by user deter -mine	by user deter -mine	5	by user deter -mine

DE LINE : Cp Lead coated with epoxy resin

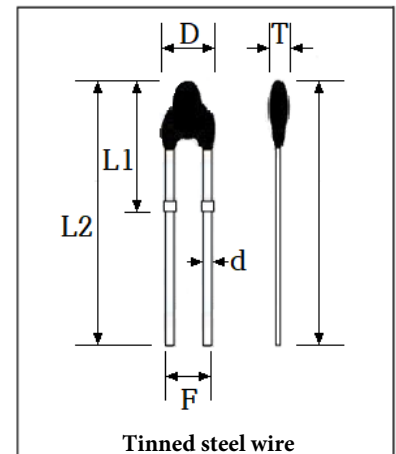
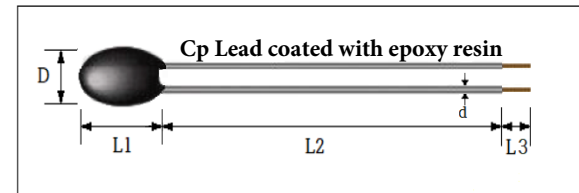
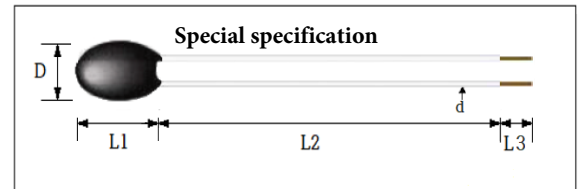
Code	Dmax	L1max	L2min	d ±0.05	F ±0.05
DE1	3	6.0	55	0.3	/
DE2	4	7.5	35	0.45	/

F LINE : Tinned steel wire

Code	Dmax	L1max	L2 ± 1.5	d ±0.1	F ±0.05	T MAX
F	3.8	9.5	17	0.6	2.5	3.5

PART NUMBERING FORM

1	2	3	4	5	6
NTC	D	103	F	3435	F
1	Product Type	NSE SENSOR OF DISK THERMISTOR			
2	Series Type	DISK TYPE			
3	Zero Power Resistance(R25)	0.1K ~ 1000K Ω			
4	The tolerance of Resistance	F : ±1% , G: ±2% , H: ±3% , J: ±5% , K: ±10%			
5	B-value(25/80)	3100 ~ 4500			
6	The tolerance of B value	E : ±0.5% , F : ±1%			



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