

Temperature Sensor

NSE SENSOR CO., LTD

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TEMPERATURE SENSOR

(Epoxy-A Type)

Epoxy-A Type Temperature Sensor

Application

Temperature measurement and control of household and automobile air-condition, refrigeratory, icebox, water heater, drinking trough, radiator, dishwasher, disinfecter, washing machine, drying machine, middle-or-low-temperature drying box and constant temperature box.

Characteristics

Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Epoxy-A Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Air-Conditioner Equipments, Electric table-board, Battery
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful, the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Epoxy-A TyPE Temperature sensor>

Advantage

- Fast Response
- Reliable temperature detection
- Available in a wide variety of shapes and colors

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?

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TEMPERATURE SENSOR

(Epoxy-B Type)

Epoxy-B Type Temperature Sensor

Application

Temperature measurement and control of household and automobile air-condition, refrigeratory, icebox, water heater, drinking trough, radiator, dishwasher, disinfecter, washing machine, drying machine, middle-or-low-temperature drying box and constant temperature box, Thermometer, Fire Detection

Characteristics

Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Epoxy-B Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Air-Conditioner Equipments, Electric table-board, Battery
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ) (Dependent on B value)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Epoxy-B type Temperature Sensor>

Advantage

- Fast Response Reliable
- Temperature detection
- Available in a wide variety of shapes and colors
- Small Size

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?
- What type of wire would you like to use?

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TEMPERATURE SENSOR

(Epoxy-B Type)

Epoxy-B Type Temperature Sensor

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

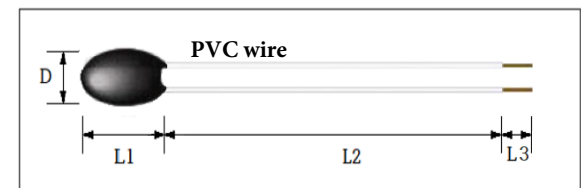
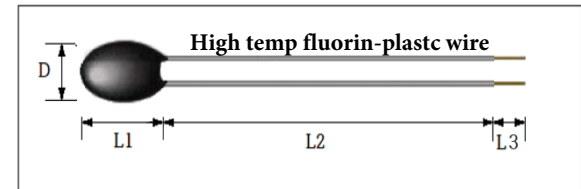
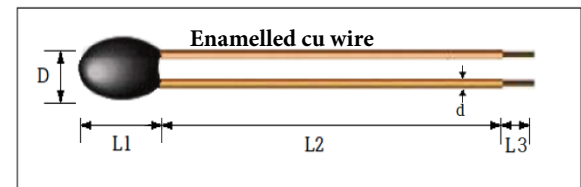
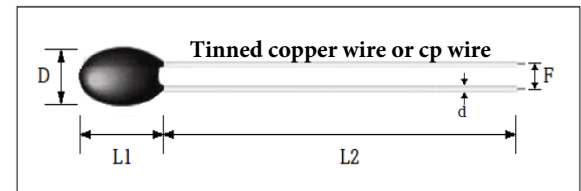
Code	Dmax	L1max	L2min	L3 ± 1	AWG
C1	3	7.5	by user deter -mine	5	30#
C2	4	4.5	by user deter -mine	5	28#

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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TEMPERATURE SENSOR

(Epoxy-B Type)

Epoxy-B Type Temperature Sensor

Wire Line up (E,DE,F)

E LINE : Lead and head are all special specification

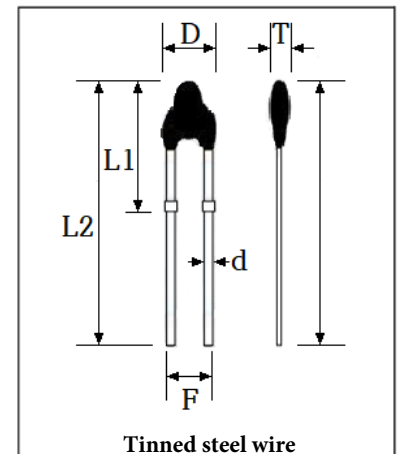
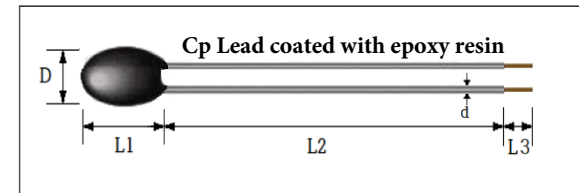
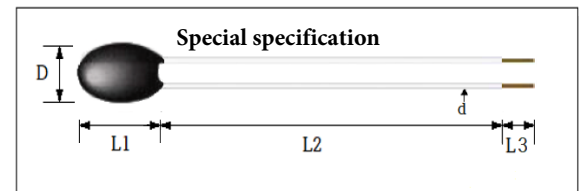
Code	Dmax	L1max	L2min	L3 ± 1	AWG
E1	by user deter -mine	by user deter -mine	by user deter -mine	5	by user deter -mine
E2	by user deter -mine	by user deter -mine	by user deter -mine	5	by user deter -mine

DE LINE : Cp Lead coated with epoxy resin

Code	Dmax	L1max	L2min	L3 ± 1	AWG
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



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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TEMPERATURE SENSOR

(Metal Type)

Metal Type Temperature Sensor

Application

Temperature measurement and control of household and automobile air-condition, Industry meter, Transformers, Power supply, Waterproof, Air Sensors, HVAC, Electric Motors, Thermometer

Characteristics

Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable, Different metal terminal sizes
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Metal Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Air-condition, Industry meter, Motors Transformers, Air Sensors, HVAC, Electric
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ) (Dependent on B value)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful, the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Metal type Temperature Sensor>

Advantage

- Fast Response Reliabl
- Temperature detection
- Available in a wide variety of shapes and colors
- Small Size

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?
- What type of wire would you like to use?
- What metal terminal shape is required?

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TEMPERATURE SENSOR

(Glass Type)

Glass Type Temperature Sensor

Application

Temperature measurement and control of household and automobile , Medical, refrigeratory, water heater, drinking trough, radiator, dishwasher, disinfecter, washing machine, drying machine, middle-or-low-temperature drying box and constant temperature box.

Characteristics

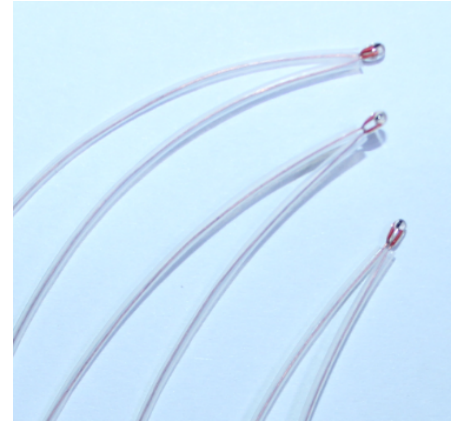
Fast heat conductivity, Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Glass Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Medicial, Electric table-board, Battery, Water headter, Oven, Air Frier
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ) (Dependent on B value)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful, the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Glass type Temperature Sensor>

Advantage

- Fast Response Reliabl
- Temperature detection
- Available in a wide variety of shapes and colors
- Small Size

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?
- What type of wire would you like to use?

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TEMPERATURE SENSOR

(Film Type)

Film Type Temperature Sensor

Application

Temperature measurement and control of household and automobile air-condition, Industry meter, Waterproof, Air Sensors, HVAC, Lithium Battery Pack, Printer

Characteristics

Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable, Different metal terminal sizes
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Film Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Air-condition, Industry meter, Air Sensors, Battery Pack, Printer
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ) (Dependent on B value)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful, the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Film type Temperature Sensor>

Advantage

- Fast Response Reliabl
- Temperature detection
- Available in a wide variety of shapes and colors
- Small Size

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?
- What type of wire would you like to use?

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TEMPERATURE SENSOR

(Plastic Type)

Plastic Type Temperature Sensor

Application

Temperature measurement and control of household and automobile, Medical, refrigeratory, water heater, drinking trough, dishwasher, washing machine, drying machine, middle-or-low-temperature drying box and constant temperature box.

Characteristics

Fast heat conductivity, Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Plastic Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Temperature measurement and control of household and automobile
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ) (Dependent on B value)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful, the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Plastic type Temperature Sensor>

Advantage

- Fast Response Reliabl
- Temperature detection
- Available in a wide variety of shapes and colors
- Small Size

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?
- What type of wire would you like to use?

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TEMPERATURE SENSOR

(Special Type)

Special Type Temperature Sensor

Application

Customizing order, Temperature measurement and control of household and automobile, Medical, refrigeratory, water heater, drinking trough, dishwasher, washing machine, drying machine, middle-or-low-temperature drying box and constant temperature box.

Characteristics

Fast heat conductivity, Adopting new technique, Steady product performance, Capability of long time operating

- High precision of resistance and B value, Good coherence, Interchange capable
- Fast response, High delicacy
- Good quality of insulation and package, High capability of colliding and bending resistance and High

Type	Special Type Temperature Sensor
Function	Good quality of coherence and interchange
Application	Temperature measurement and control of household and automobile
Working Temperature Range	-40 ~ +105℃ / +125℃
Rated Resistance (R25)	0.1 ~ 1000K (KΩ) (Dependent on B value)
B value(25/50℃)	3100 ~ 4550 (K)

Caution

- You should consider the temperature of your environment. If not careful, the epoxy may melt or cause distortion in the wires.
- In basic design, reference should be made to the RT table of the data.
- This product is for temperature detection only.



<Special type Temperature Sensor>

Advantage

- Fast Response Reliabl
- Temperature detection
- Available in a wide variety of shapes and colors
- Small Size

Customer Check Point

- Is the temperature sensor suitable for use?
- Is waterproof function used in an environment?
- Do you need a connector at the end of the wire?
- What type of wire would you like to use?

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