

5k 10k 100k 1% 2% 3% 5% 3950 3435 Waterproof Surface NTC Thermistor **Temperature Sensor For Car Vehicle**

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:

Our Product Introduction

- · Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:
- LINKUN RoHS UL CWF1 103F 1000PCS US \$0.2 ~ 0.6 PCS 100PCS/Bag 5-7 days L/C, D/A, D/P, T/T, Western Union 100,000 pieces/month



Product Specification

- Package / Case:
- Resistance Value:
- Resistance Tolerance:
- B Value At 25/50°C:
- Probe Material:
- Cable Material:

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China

- 1K

- Cable Length:
- Connector:
- Installation:
- Operating Temperature:
- Highlight:

1K, 5K, 10K, 50K, 100K, 15K
F±1%,G±2%,H±3,J±5%,K±10%

- 3950K, 3380K, 3435K, 3470K, 4000K
- Epoxy
- TPE PVC FEP PFA PTFE
 - 10mm-10000mm
 - **Require Connector**
- Surface
 - -40 °C~200°C

3950 Waterproof Surface NTC Thermistor, 5k Waterproof Surface NTC Thermistor, 10k Waterproof Surface NTC Thermistor



More Images



Product Description

5k 10k 100k 1% 2% 3% 5% 3950 3435 Waterproof Surface NTC Thermistor Temperature Sensor for Car Vehicle

Product name: Epoxy resin encapsulated NTC temperature sensor

Standard resistance (according to customer requirements): R25°C=10KΩ±5% B25/50=3950K±1%

Working temperature: -30~125°C

Features: Ambient temperature measurement/sensitive response/small size/good consistency Applicable to: heaters, air conditioners, refrigerators, wine cabinets, motors, lithium batteries, street lights, charging piles, etc.

Features of Epoxy Coating NTC Thermistor Sensor

- 1. MF52 series products are coaxial lead epoxy resin coating type
- 2. Wide resistance range: $500K\Omega max$
- 3. High accuracy of resistance and B value
- 4. Moisture proof, good insulation, high reliability, small time constant
- 5. Small volume, fast reflection speed
- 6. Can work steadily for a long time, good consistency
- 7. Wide range of operating temperature

Application Of Epoxy Resin Thermistor NTC Sensor

NTC sensor is widely used in temperature measurement for induction cooker, rice cooker, microwave oven, water machine, electric kettle, heater, air conditioner, refrigerator, water dispenser, disinfection cabinet, washing machine, coffee maker and so on household appliances. Besides, the sensors are applicable to automobile, Internet of things, medical temperature measurement, industrial temperature measurement, garden temperature control and breeding industry etc.



A:(Tin. nickle Cu or Cp wire) Normal dimension table

Code	Dmax	L1max	L2min	d ±0.05	F ±0.5
A1	2.5	4	25	0.3	1.7
A2	3	4.5	25	0.45	2.2

B:(Enamelled cu wire) Normal dimension table

			N	ormai dim	iension tab
Code	Dmax	L1max	L2min	L3 ±1	d±0.05
B1	2	3.5	by user determine	3	0.2
B2	3	4	by user determine	3	0.3

C:(High-temperature wire) Normal dimension table

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Code	Dmax	L1max	L2min	L3 ±1	Wire AWG	
C1	3	7.5	by user determine	5	30#	
C2	4	7.5	by user determine	5	28#	

D:(Normal temperature wire)

Normal dimension table

Code	Dmax	L1max	L2min	L3 ±1	Wire AWG
D1	3	7.5	by user determine	5	30#
D2	4	7.5	by user determine	5	28#

E:Lead and head are all special specification)

Normal dimension table

Cod e	Dmax	L1max	L2min	L3 ±1	Wire AWG
E1	by user determine	by user determine	by user determine	5	by user determine
E2	by user determine	by user determine	by user determine	5	by user determine

DE:(Cp Lead Coated with epoxy resin)

Normal dimension table

Code	Dmax	L1max	L21max	L3	d±0.05	F±0.05
DE1	3	6.0	55	By user determine	0.3	/
DE2	4	7.5	35	by user determine	0.45	/

F:(Tinned steel wire)

Normal dimension table

Code	Dmax	L1max	L2±1.5	d±0.01	f±0.05	T max
F	3.8	9.5	17	0.6	2.5	3.5

Series Data Of The NTC Thermistor Temperature Sensor

Part No.	Rated Resistance R25(KΩ)	B Value(25/50° KΩ)	Rated Power (mw)	Dissi. Coef. (mw/°C)	Thermal time Constant(S)	Operating Temp. (°C)
MF52 3100	0.1 ~20	3100				
MF52 3270	0.2 ~20	3270	1			
MF52 3380	0.5 ~50	3380	1			
MF52 3470	0.5 ~50	3470	1			
MF52 3600	1 ~100	3600	1	≥2.0	<12	
MF52 3950	5 ~100	3950	≤50	In Still	ln Still ∆ir	-40~+125°C
MF52 4000	5 ~100	4000	1	Air		
MF52 4050	5 ~200	4050	1			
MF52 4150	10 ~250	4150	1			
MF52 4300	20 ~1000	4300	1			
MF52 4500	20 ~1000	4500				

Temperature Measurement With Thermistor Sensor

The thermistor sensor, which is used to measure temperature, is simple in structure and low in price.

Thermistors without external protective layers can only be used in dry areas; sealed thermistors are resistant to moisture and can be used in harsh environments.

Because the resistance value of thermistor sensor is relatively large, the resistance and contact resistance of its connecting wires can be ignored.

Therefore, thermistor sensor can be applied in long-distance temperature measurement up to several thousand meters, and the measurement circuit mostly adopts bridge.

The principle can also be used for other temperature measurement, temperature control circuit.

