CE Refrigerator NTC Thermistor Sensors , Air Conditioner NTC Probe Temperature Sensor

Our Product Introduction

Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: NTC Temperature Sensor
- Minimum Order Quantity: Negotiation
- Price: Negotiation
- Packaging Details: Export Package / Negotiation
- Delivery Time: Negotiation
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 24 million per year

Product Specification

- Theory: Resistance Sensor
- Application: Household Appliance
- Type: Thermistor
- Working Temperature Range(°C): -10 To +105c
- Resistance Value: 5K,10K,20K,50K,100K
- Dissipation Factor(mw/°C): 1-2 (in Still Air)
- Highlight: **CE NTC Thermistor Sensors**, **Refrigerator NTC Thermistor Sensors**, **Air Conditioner NTC Probe Temperature Sensor**

Product Description

High Sensitivity And Fast Response NTC Temperature Sensor Use For Refrigerator And Air Conditioner

Description

Thermistor probes are invaluable for sensing temperature levels in a variety of industries ranging from HVAC and food handling to automotive and laboratory research. In such applications, it's critical that the thermistor probe used is accurate to ensure reliable thermal monitoring.

A world-class provider of thermistors and thermistor probes and assemblies, We offers temperature probes designed and built from the ground up. The thermistors we use are created from a precise blend of raw materials and processed using proprietary techniques that result in superior discrete components, probes and assemblies.

We manufactures laboratory grade temperature probes, surface temperature sensing probes, micro probes, as well as many others designed to suit specific applications. Our application engineers are experts in the design of temperature sensing probes and assemblies utilizing thermistors as well as RTDs suitable for the most demanding applications.

Advantages

We have the heart of NTC temperature sensor--full sets of production line and core technology of pro-prietary intellectual property rights for high performance temperature measurement NTC thermistor.
We have all kinds of NTC core element of NTC Temperature sensor--high performance temperature measurement thermistors are own production,complete series,structural diversity. Our products can meet the requirements of prevision measurement in different temperature area from low temperature,medium and low temperature to medium-high temperature.These products have passed many safety certifications of domestic and foreign.
Resistance and temperature characteristics can meet customer's requirements entirely,and support best convenience to customers.
Mature manufacturing technique of NTC temperature sensor,Large-scale mass production,product have the best ability of insulation sealing,Mechanical collision,resistance to bending,well-set.
Small thermal time,fast response

Temp.deg.C	25deg.C
R Value	5k 10k
Shell Type	Epoxy-----mainly used for indoor Copper ----mainly used for outdoor
Application	air conditioner
Features	1. Wide operating temperature range, good stability and reliability. 2. Easy to installation and manipulation as the sealing can be done according to environment and conditions there it is applied by customer. 3. Accurate testing can reflect temperature change precisely. 4. Insulating resistance(MΩ): over 100MΩ at DC500 V 5. Working temperature range(°C): -10 to +105c 6. Dissipation factor(mw/°C): 1-2 (in still air)

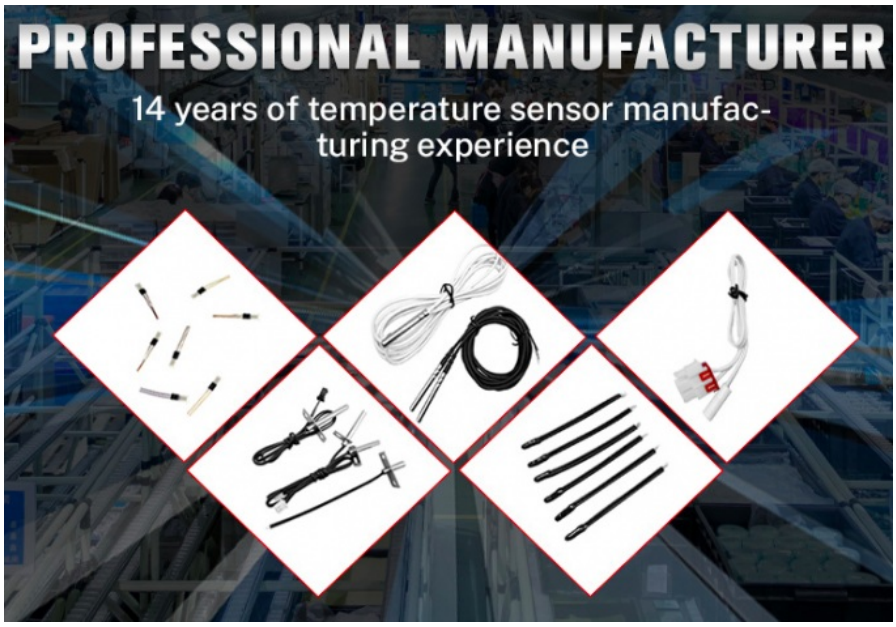
Working principle of temperature sensor

Using the NTC thermistor under a certain measurement power, the resistance value drops rapidly as the temperature rises. Utilizing this feature, the NTC thermistor can be used to determine the corresponding temperature by measuring its resistance value, so as to achieve the purpose of detecting and controlling the temperature.

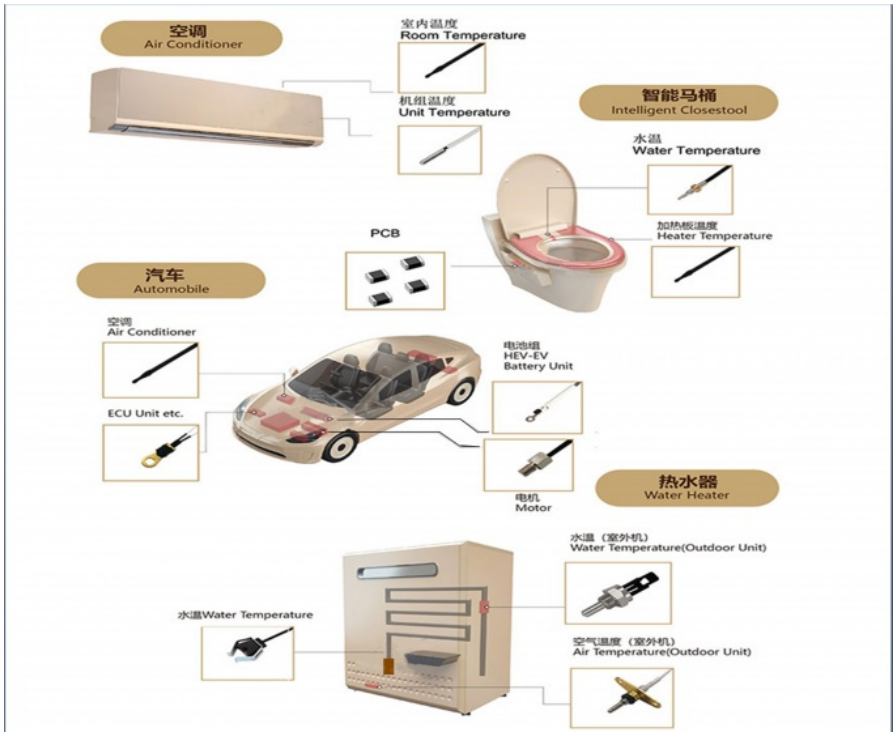
Reliability Test

Test Item	Test Standard	Test method	Performance requirements
Zero Power Resistance	IEC 60539-1	Immerse samples in the constant temperature bath at 25℃±0.005℃,test steady resistance	Resistance tol ±1%
B value	IEC60539-1	Immerse samples in the constant temperature bath at 25℃,50℃(or 85℃), test steady resistance,and calculate B value	Resistance tol ±1%
Free fall	IEC60068-2-32	Fall height: 1.5±0.1m,Surface: Cement , 1 time	No obvious damage, R25 △R/R≤±1%
Insulation	IEC60539-1	500V pressure on insulation shell test insulation resistance	>500MOhm
Withstand voltage	IEC60539-1	Withstand voltage: 1500V/AC ,Leakage current:2mA Lasting: 60sec	No obvious damage
Tension	IEC60068-2-21	Pull uniform speed at the end, F>4.0KG(requested by customer)	No obvious damage, R25 △R/R≤±1%
Vibration	Q/HBm 108-94	Test frequency: 10~500Hz,swing: 1.2mm acceleration: 30m/s2 Direction X,Y,Z Time:8Hour/direction	No obvious damage, R25 △R/R≤±1%
Steady humidity and heat	IEC60068-2-78	Temp:40±2℃ Humidity:92-95%RH Time:1000±24Hour	No obvious damage, R25 △R/R≤±1%
Thermal time constant	EC60539-1	Immerse in 25℃ water,after thermal balance,immerse in 85℃,resistance arrives 63.2%,calculate total time	<10 sec

High temperature storage	IEC60068-2-2	Temp:125℃±5℃ Time: 1000±24Hour	No obvious damage, R25 △R/R≤±1%
Cold and thermal shock	IEC60068-2-14	-40℃~+125℃ T1:30min Cycle time:1000	No obvious damage, R25 △R/R≤±1%
Knock experiment	IEC60068-2-77	Acceleration:250m/s2 Pulse lasting: 6ms Knock times: 1000 Recovery time: 2 Hour	No obvious damage, R25 △R/R≤±1%
Low temperature storage	IEC60068-2-1	Temp: 40±2℃ Time: 1000±24Hour	No obvious damage, R25 △R/R≤±1%
Salt spray	IEC60068-2-11	Temp: 35±2℃ Collection hour : 1.0mL~2.0mL Time: determine per as actual demand	No obvious damage, R25 △R/R≤±1%



Application



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