

CE / ROHS / UL / TUV / SGS

Export Package / Negotiation

1K, 5K, 10K, 50K, 100K, 15K

Household Appliances

Negotiation

24 million per year

Household Appliance Temperature Sensor

Automatic Transmission Oil Temperature Sensor R25=10K 100kB3950 **Thermistor Temperature Probe Accuracy 1%**

Basic Information

- Place of Origin:
 - Dongguan China linkun
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: Negotiation
- Price:
- · Packaging Details:
- Delivery Time:
- Negotiation • Payment Terms: T/T, L/C, Western Union
- Supply Ability:



Product Specification

- Resistance Value:
- Accracy:
- Application:
- Temperature Range:
- Feature:

• Highlight:

Fast Response • Resistance Tolerance:

±1%

-40~120°C

- F±1%,G:±2%, H:±3%,J:±5%,K:±10%
- Thermistor Household Temperature Sensor, Refrigerator Household Temperature Sensor, Practical Thermistor Based Temperature Sensor



More Images



Product Description

Automatic transmission oil temperature sensor R25=10K 100kB3950 thermistor temperature probe accuracy 1%

NTC temperature sensor (temsensor) is the most common sensor in industrial production. It converts the temperature of the object into an electrical signal output. The NTC temperature sensor has the advantages of simple structure, wide measurement range, good stability and high precision. Different NTC temperature sensors are manufactured in different ways, and the common ones are thermistors, thermocouples and integrated products. Its development has generally gone through the stage from split type, analog integration to intelligent type.



duct drawings are for re ecifications, and length (

Product Description

| Certificates for Raw Material | All parts and processing is compliant with ROHS, CCC |
|---|--|
| Certificates for Wire Harness Material | UL/CSA,CE, VDE,SAA,CB,ISO9001 etc are avalable; PA66 for connectors; copper or stainless steel for terminals |
| _ength | As per customer's request |
| Connector Type | Tyco, Delphi, Bosch, Deutsch, Yazaki, Sumitomo, FCI replacements |
| Service | Different series of customized CAD wire harness are available |
| | |



Applications

Temperature measurement and control of household air-conditioner, refrigerator, icebox,water heater,drinking machine, radiator, dishwasher, disinfector, washing machine, drying machine, middle-or-low-temperature drying box and constant

temperature box.

Conventional product electrical performance parameters

| Part No | R25°C | B(K) | Rated Power | Dissipation Factor(δ) | Thermal time |
|--------------|-------|---------|-------------|-----------------------|--------------|
| (ΚΩ) | | 25/50°C | @25°C(mW) | (mW/°C) | Constant (S) |
| TS50203274A | 5.0 | 3274 | 10-20 | 2-4 | 5-20 |
| TS50203435B | 5.0 | 3435 | 10-20 | 2-4 | 5-20 |
| TS50203470A | 5.0 | 3470 | 10-20 | 2-4 | 5-20 |
| TS502 3950A | 5.0 | 3950 | 10-20 | 2-4 | 5-20 |
| TS103 3274A | 10.0 | 3274 | 10-20 | 2-4 | 5-20 |
| TS103 3435B | 10.0 | 3435 | 10-20 | 2-4 | 5-20 |
| TS103 3470A | 10.0 | 3470 | 10-20 | 2-4 | 5-20 |
| TS103 3950A | 10.0 | 3950 | 10-20 | 2-4 | 5-20 |
| TS10304100A | 10.0 | 4100 | 10-20 | 2-4 | 5-20 |
| TS153 3950A | 15.0 | 3950 | 10-20 | 2-4 | 5-20 |
| TS15304100A | 15.0 | 4100 | 10-20 | 2-4 | 5-20 |
| TS203 3950A | 20.0 | 3950 | 10-20 | 2-4 | 5-20 |
| TS20304100A | 20.0 | 4100 | 10-20 | 2-4 | 5-20 |
| TS22304200A | 22.0 | 4200 | 10-20 | 2-4 | 5-20 |
| TS403 3928A | 40.0 | 3928 | 10-20 | 2-4 | 5-20 |
| TS50303950A | 50.0 | 3950 | 10-20 | 2-4 | 5-20 |
| TS50304100A | 50.0 | 4100 | 10-20 | 2-4 | 5-20 |
| TS10403950A | 100.0 | 3950 | 10-20 | 2-4 | 5-20 |
| TS10404100A | 100.0 | 4100 | 10-20 | 2-4 | 5-20 |
| TS10404400A | 100.0 | 4400 | 10-20 | 2-4 | 5-20 |

Reliability Test

| Test Item | Test Stand ard | Test method | Performance requirements |
|---------------------------------|-----------------------|--|---------------------------------------|
| Zero Power Resistance | IEC 60539 -1 | Immerse samples in the constant temperature bath at 25°C±0.005°C,test steady resistance | Resistance tol ±1% |
| B value | IEC60 539-1 | Immerse samples in the constant temperature bath at 25°C,50°C(or 85°C), test steady resistance,and calculate B value | Resistance tol ±1% |
| Free fall | IEC60 068-2- 32 | Fall height: 1.5±0.1m,Surface: Cement , 1 time | No obvious damage, R25 ∆R/R≤±1% |
| Insulation | IEC60 539-1 | 500V pressure on insulation shell test insulation resistance | >500MOhm |
| Withstand voltage | IEC60 539-1 | Withstand voltage: 1500V/AC ,Leakage current:2mA Lasting: 60sec | No obvious damage |
| Tension | IEC60 068-2- 21 | Pull uniform speed at the end, F>4.0KG(requested by customer) | No obvious damage, R25 ∆R/R≤±1% |
| Vibration | Q/HB m 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 | IEC60 068-2- 78 | Temp:40±2°C Humidity:92-95%RH Time:1000±24Hour | No obvious damage, R25 ∆R/R≤±1% |
| Thermal time constant | EC605 39-1 | Immerse in 25°C water,after thermal balance,immerse in 85°C,resistance arrives 63.2%,calculate total time | <10 sec |
| High temperatur e storage | IEC60 068-2- 2 | Temp:125°C±5°C Time: 1000±24Hour | No obvious damage, R25 ∆R/R≤±1% |
| Cold and thermal shock | IEC60 068-2- 14 | -40°C~+125°C T1:30min Cycle time:1000 | No obvious damage, R25 ∆R/R≤±1% |
| Knock experiment | IEC60 068-2- 77 | Acceleration:250m/s2 Pulse lasting: 6ms Knock times: 1000 Recovery time: 2 Hour | No obvious damage, R25 ∆R/R≤±1% |
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