# MF51 200K 100K High Temperature Resistant Temperature Sensor Ntc Thermistor Glass Mount For 3D Printing Pen

Our Product Introduction

## Basic Information

- Place of Origin: China
- Brand Name: LINKUN
- Certification: RoHS UL
- Model Number: MF51 200K F100KF
- Minimum Order Quantity: 1000PCS
- Price: 0.45 ~ 0.6 USD/PC
- Packaging Details: 100PCS/Bag
- Delivery Time: 5-7 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union
- Supply Ability: 100,000 pieces/month


## Product Specification

- Sensing Way: Resistence
- Wire Material: PVC,FEP
- Measurement Range: -55℃ ~ 300℃
- Shipping: Sea Freight, Express, Air Freight
- Customized: Available
- Type: Cylindrical
- Interface: Quasi-I2C Interface
- Material: Metal
- Resistance At 100℃: 200kΩ
- Resistance Tolerance: ±2%
- Insulation Test: 500VDC
- Highlight: **MF51 Ntc Thermistor**, **3D Printing Pen Ntc Thermistor**, **100K Ntc Thermistor**


## More Images


## Product Description

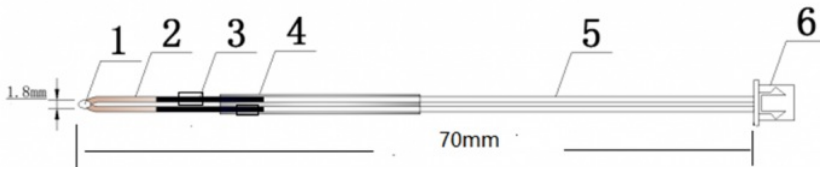
***High Temperature Resistant Temperature Sensor MF51 200K 100K 3D Printing Pen With Ntc Current Protection Thermistor***

**Glass Hermetic MF51 Temperature NTC Thermistor Small Size Fast Response Time**

**Features**

Hermetically sealed glass package
Proven Stability and Reliability
Available in ±1%, ±2%, ±3%, ±5% and ±10% tolerance @ +25ºC
Fast time response
Low cost
Temperature range -40ºC to +250ºC

**Application**




Air conditioning systems
Refrigeration control
Assembly into probes for a wide variety of applications
In environments where thermal shock and humidity are present
Hot water boiler systems
Sensor for engine temperature control
Glass Encapsulated NTC Thermistor

Glass-coated

Shape: pearl-shape

Rated zero-power resistance at 25C. For example: 502 means R2sc=5K Q

Resistance tolerance: F ( 1%),G ( 2%) ; H( 3%) ; J( 5% ); K ( 10% )

B Value (B,25/50C.): 3950K

B value tolerance: F ( l%); G ( 2%); H ( 3%)

Introduction

Glass Encapsulated thermistors are a special breed of NTC thermistors. Hermetically sealed, these small thermistors eliminate resistance reading errors caused by moisture penetration and they function efficiently in extreme temperatures as well as under severe environmental conditions.
This class of thermistor is free from limitations due to solder temperature, which enables them to offer users a wide operating temperature range of “-40 °C to +300 °C”. With diameters of only 1.3 mm, the devices’ small size allows for encapsulation in a variety of housings, such as ring lugs and hex nuts.Radial leaded glass encapsulated thermistors provide a low cost option for applications that require superior stability and high temperature operation. The thermistors are glass encapsulated to allow for operation in a wide array of environments including high humidity and rapid thermal cycling. The small size allows the sensor to react quickly to small temperature changes.

Features

•High reliability, stability, high sensitivity

•Wide range of resistance: 5 ~ 100KΩ

•Usable in high-temperature and high-moisture environments due to the glass wrapping

•Small, light, firm structure, convenient automatic installation on PCB

•Rapid response time

•Operating temp. -40°C ~ +300°C

Applications

•Temperature compensation and detection for Office automation facilities (e.g. Copiers, printers etc.)

•Industrial, medical, environmental protection, weather and food processing equipment

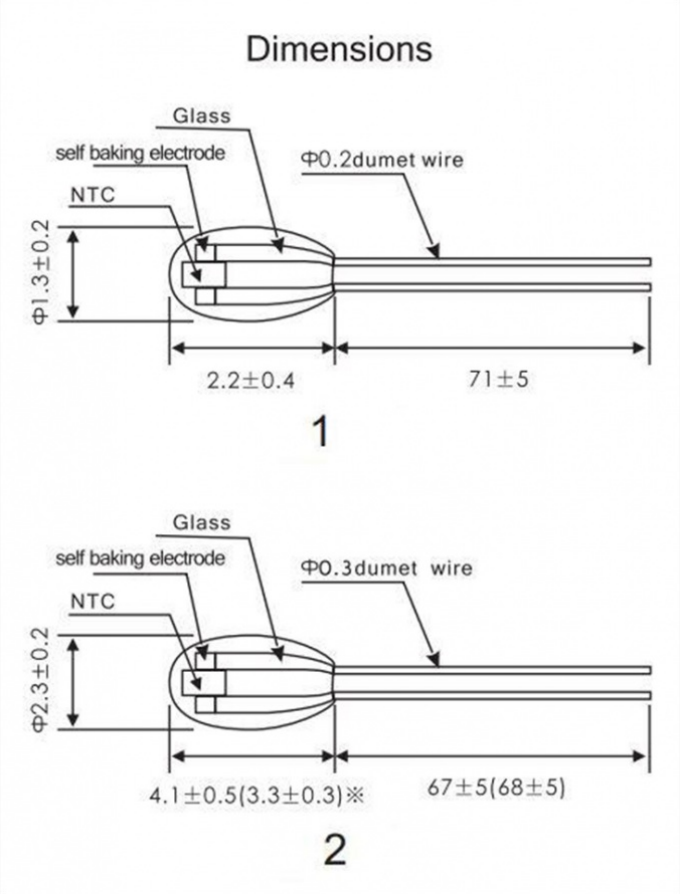
•Household appliances (air conditioners,microwave ovens,electric fans,electric heaters)

•Liquid level display and flow water measurement

•Apparatus coils, integrated circuits, quartz crystal oscillators and thermocouples

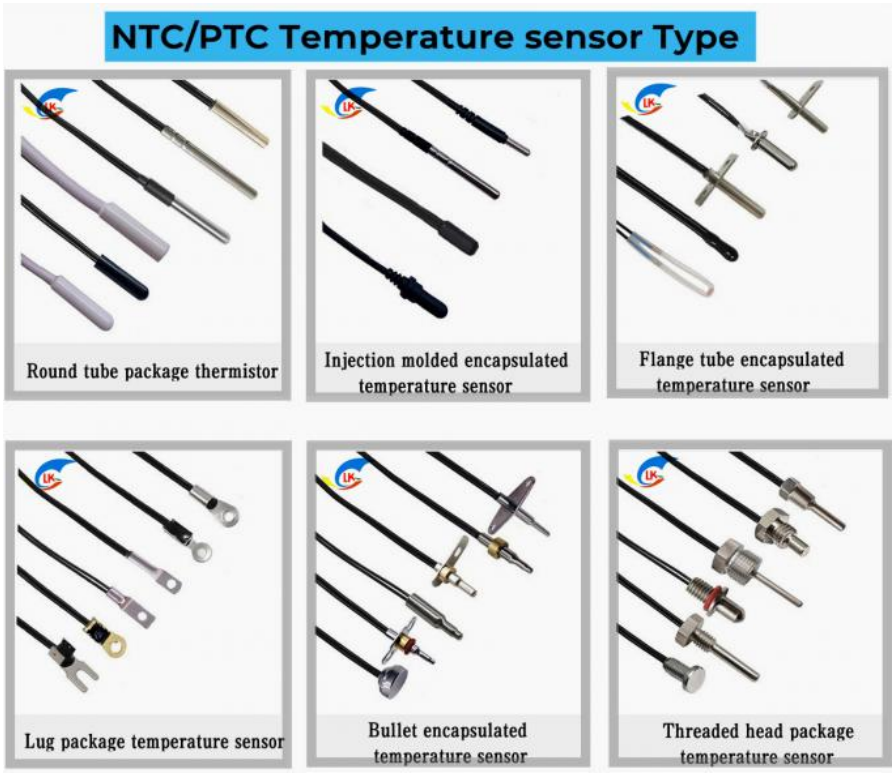
•Electronics Thermometer

•Medical instrument




| Number | R25℃( KΩ ) | B25/50℃( K) | Dissipation Coeff cient (mw/℃) | Time Constant (S) | Operating Temperature Range (°C) |
|---|---|---|---|---|---|
| 1 | 5 | 3270 | In still air 2.l max | In still air 6max | -40~+150°C |
| 2 | 10 | 3380 | | | -40~+150°C |
| 3 | 5 | 3470 | | | -40~+150°C |
| 4 | 10 | 3470 | | | -40~+150°C |
| 5 | 10 | 3700 | | | -40~+150°C |
| 6 | 2 | 3920 | | | -40~ +150°C |
| 7 | 5 | 3950 | | | -40~+150°C |
| 8 | 10 | 3950 | | | -40~+150°C |
| 9 | 50 | 3950 | | | -40~+200°C |
| 10 | 100 | 4100 | | | -40~+300°C |

- indicatesthe resistance tolerance: F ( 1%); G ( 2%); H ( 3%); J ( 5%); K ( 10%)
- B Value :determined by rated zero-power resistance at 25°Cand 50°C , tolerance: 1% .
- Special specifications are customized by your request.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