

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF58玻封测温型NTC热敏电阻器系列

MF58 Series Glass-Encapsulated Temperature-Measurement NTC Thermistor

● 应用范围

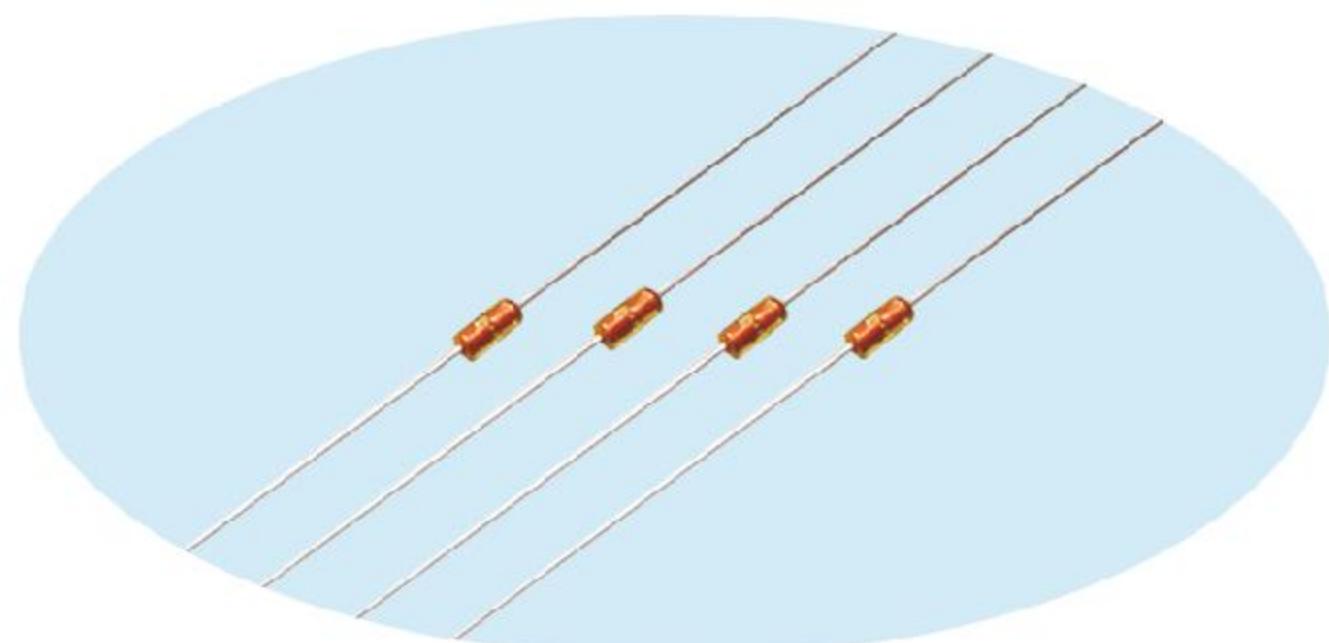
- 家用电器(如空调机、微波炉、电磁炉、多士炉、电风扇、电取暖炉等)的温度控制与温度检测
- 办公自动化设备(如复印机、打印机等)的温度检测或温度补偿
- 手机电池、电池组
- 仪表线圈、集成电路、石英晶体振荡器和热电偶的温度补偿

● Applications

- Temperature control and detection in household appliances such as air conditioners, microwaves, induction cookers, electric stoves, electric fans, electric heaters, etc.
- Temperature detection or compensation in office automation equipments such as copiers, printers, etc.
- Mobile phone batteries, battery packs.
- Temperature compensation for instrumentation coils, integrated circuits, quartz crystal oscillators, and thermocouples.

通过AEC-Q200检测

Passed AEC-Q200 Testing



江苏省高新技术产品

High-Tech Product in Jiangsu Province

● 特点

- 稳定性好、可靠性高
- 阻值范围宽、精度高
- 可在高温和高湿等恶劣环境下使用
- 体积小、重量轻、结构坚固，便于自动化安装
- 热感应快、灵敏度高。

● Features

- Excellent Stability and High Reliability
- Wide Resistance Range, High Accuracy
- Suitable for Operation in Harsh Environments, including High Temperatures and High Humidity.
- Compact Size, Lightweight, Sturdy Structure, Suitable for Automatic Installation.
- Fast Thermal Response and High Sensitivity.

● 安规认证 Certifications



UL1434认证

UL1434 Certification  
(File# E240991)



CQC 认证

CQC Certification  
(File# 09001033986)



TUV 认证

TUV Certification  
(File# R50245892)

● 产品标志说明 Marking Instruction

MF58 — 502 F 3650 G (B1)

外形尺寸代号：B1型 B2型 Dimension Code: B1 Style, B2 Style

B值允许偏差代号 (±1%时省略)

Allowable B Value Tolerance Code (Annotation omitted for ±1%)

E: ±0.5%, F: ±1%, G: ±2%

B值: 3650K B Value: 3650K

阻值允许偏差代号：F: ±1%, G: ±2%, H: ±3%, J: ±5%, K: ±10%

Allowable Resistance Value Tolerance Code: F: ±1%, G: ±2%, H: ±3%, J: ±5%, K: ±10%

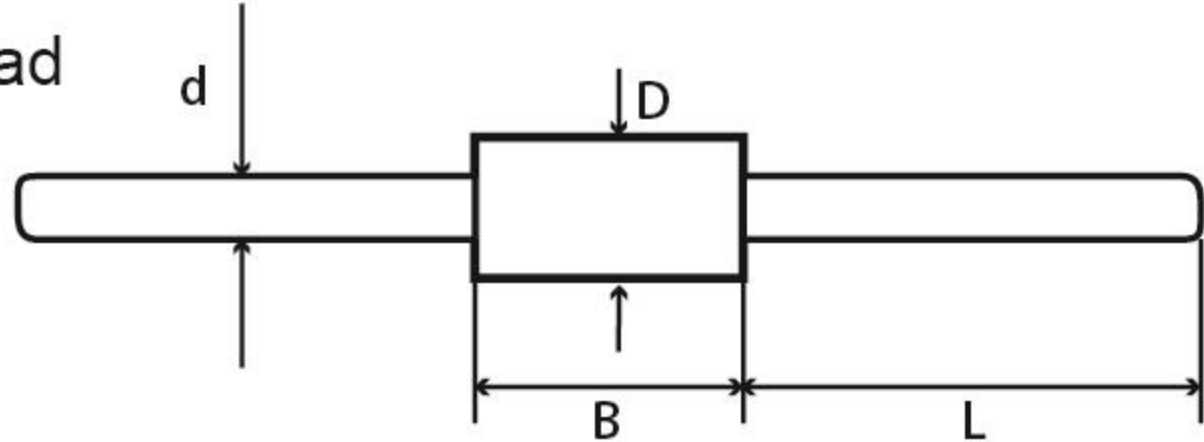
额定零功率电阻值：502为5KΩ

Rated Zero-Power Resistance Value: 502 represents 5KΩ

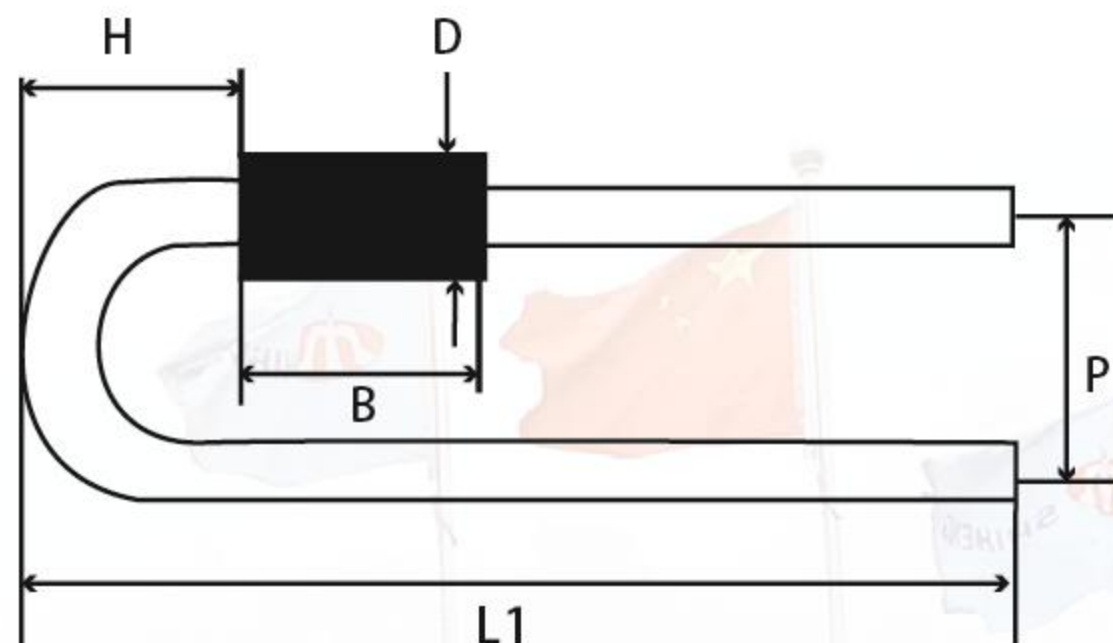
型号 Type

● 外形结构和尺寸 Dimensions (mm)

直线 Straight Lead



折弯 Bent Lead



| 品种Type                                              | 项目Items | 代码Code | 引线材质Lead wire | d±0.05 | D±0.2 | B±0.3 | L±1 | L1±1 | H±0.5 | P±0.5 |
|-----------------------------------------------------|---------|--------|---------------|--------|-------|-------|-----|------|-------|-------|
| 常规玻壳直线<br>Standard Glass-Encapsulated Straight Lead |         | B1     | CP            | 0.5    | 1.8   | 3.7   | 28  | /    | /     | /     |
| 常规玻壳 折弯产品<br>Standard Glass-Encapsulated Bent Lead  |         | B1     | CP            | 0.5    | 1.8   | 3.7   | /   | 10   | 1.6   | 2.5   |
| 大玻壳直线<br>Large Glass-Encapsulated Straight Lead     |         | B2     | CP            | 0.5    | 2.4   | 4.2   | 28  | /    | /     | /     |

● 主要技术参数 Main Technical Specifications

| 型号<br>Part No.    | 25°C的零功率电阻值<br>Zero-Power Resistance at 25°C R <sub>25</sub> |                                  | B值 ( 25/50°C )<br>B Value (25/50°C) |                                 | 热时间常数约<br>Thermal Time Constant Approx. | 耗散系数约<br>Dissipation Constant Approx. | 25°C时最大额定功耗<br>Max. Power Rating at 25°C | 工作温度<br>Operating Temperature | 绝缘电阻<br>Insulation Resistance |
|-------------------|--------------------------------------------------------------|----------------------------------|-------------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|------------------------------------------|-------------------------------|-------------------------------|
|                   | 阻值范围<br>Range (KΩ)                                           | 允许偏差<br>Allowable Tolerance (%)  | 标称值<br>Nominal Value (K)            | 允许偏差<br>Allowable Tolerance (%) | τ(s)                                    | δ(mW/°C)                              | P <sub>max</sub> (mW)                    | ( °C )                        | DC/500V ( MΩ )                |
| MF58 - □□□□□ (B1) | 18<br>0.1-3780                                               | F: ±1<br>G: ±2<br>H: ±3<br>J: ±5 | 3100-4500                           | E: ±0.5<br>F: ±1                | 12                                      | 1.8                                   | 50                                       | -55~+250                      | 100                           |
| MF58 - □□□□□ (B2) |                                                              |                                  |                                     |                                 | 20                                      | 2                                     |                                          |                               |                               |