

负温度系数(NTC)热敏电阻器

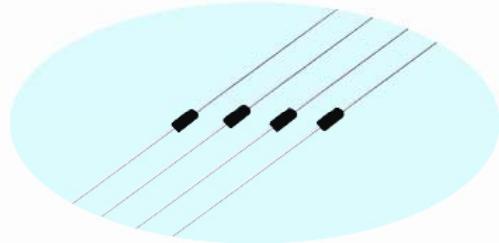
Negative temperature coefficient (NTC) thermistor

MF54塑封测温型NTC热敏电阻系列

MF54 resin coated diode Temp Measurement NTC Thermistor series

● 特点 Characteristics

- 测温精度高、稳定性好、阻值范围宽
- 体积小、反应速度快、灵敏度高
- 规模生产，低成本
- 轴型封装，便于AI自动化安装
- High testing precision ,good steady, wide resistance .
- Small size, Fast response , High sensitivity .
- Scale production , low cost .
- Axial leads , convenient for AI automatic installing .



● 应用范围 Applications

- 汽车电子(车载空调、冰箱等)
- 办公设备 (电脑、打印机等)
- 可充电电池 (锂电池、镍氢电池等)

Applications

- Automobile Electricity (car-carrying air-condition and refrigeration and so on)
- Office equipment (computer , print machine and so on)
- Rechargeable battery (lithium battery , ni-mh battery)

● 主要技术参数 Main Techno-Parameter

额定零功率电阻值范围(R₂₅): 0.1~1000KΩ

R₂₅允许偏差: ± 1%、± 2%、± 3%、

± 5%、± 10%

B值允许偏差: ± 0.5%、± 1%

耗散系数≥5mW/℃ (在静止空气中)

热时间常数: ≤ 20S (在静止空气中)

工作温度范围: -55~125℃

25℃额定功率: ≤ 25mW

Main Techno-Parameter

○ The range of resistance under the rated zero power(R₂₅): 0.1~1000KΩ

○ The allowable tolerance of R₂₅ : ± 1%、± 2%、± 3%、

± 5%、± 10%

○ The allowable tolerance of B value : ± 0.5%、± 1%

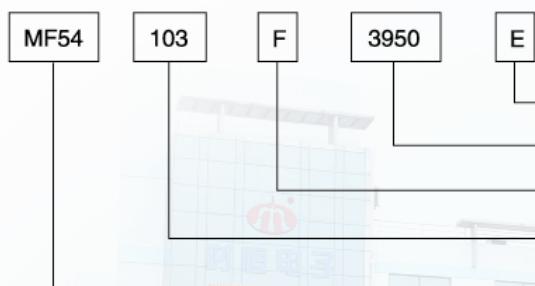
○ Dissipation factor: model ≥5mW/℃(in still air)

○ Thermal time constant : ≤ 20S(in still air)

○ Operating temperature: -55~125℃

○ Rated power at 25℃: ≤ 25mW

● 产品标志说明 Specification



B值允许偏差代号 (根据需要标注) The allowable tolerance of (Label by Requirement)
E: ± 0.5%、F: ± 1%、G: ± 2%

B值: 为3950K/ B value: Namely 3950K

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

标称阻值:
103为10KΩ/rated resistance:103 is 10 KΩ

型号: 为塑封测温型NTC热敏电阻器
Type: NTC thermistor with plastic shell

● 外形尺寸(单位mm)Dimensions

