

负温度系数(NTC)热敏电阻器

Negative temperature coefficient (NTC) thermistor

MF59玻璃壳片式NTC热敏电阻系列

MF59 Glass Shell SMD NTC Thermistor Series



● 特点 Characteristics

- 玻璃封装, 可在高温和高湿等恶劣环境下使用
- 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
- 无引线, 便于SMT自动化安装
- Glass encapsulation, capability of operating in the bad environment of high temperature and high humidity because of the glass encapsulation framework.
- High precision of temperature testing, good stability and broad range of resistance.
- Small size, fast response, high sensitivity.
- Without leads, convenient for SMT automatic installation.

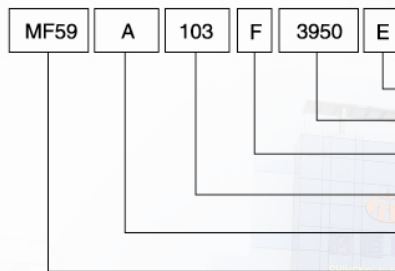
● 应用范围 Applications

- 办公自动化设备(如笔记本电脑、复印机、打印机等)
- 数码设备(移动电话、PDA等)
- 可充电电池(锂电池、镍氢电池等)
- 仪表线圈、集成电路、石英晶体振荡器的温度补偿
- Automatic work facilities (such as lap-top, copycat, printer and so on)
- Digital equipment(such as mobile phone, PDA and etc.)
- Rechargeable battery (lithium battery, ni-mh battery)
- Temperature compensation of loops of instrument, integrated circuit, quartz crystal monofier and thermocouple.

● 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:A型≥2mW/°C(在静止空气中)、B型≥1mW/°C(在静止空气中)
- 热时间常数: A型≤10S(在静止空气中)、B型≤5S(在静止空气中)
- 工作温度范围: -55~220°C
- 25°C额定功率: A型≤10mW、B型≤5mW
- 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 A≥2mW/°C(in still air), model B≥1mW/°C(in still air)
- Thermal time constant: model A≤10S(in still air), model B≤5S(in still air)
- operating temperature range: -55°C~220°C
- Rated power at 25°C: model A≤10mW, model B≤5mW

● 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%
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
外形尺寸代号:
A型/configuration and code: Model A
型号: 为玻璃壳片式NTC热敏电阻器
Type: chip glass shell NTC thermistor

型号type	长L (mm) length(mm)	直径D(mm) diameter(mm)
MF59A	3.6 ± 0.2	1.5 ± 0.2
MF59B	1.8 ± 0.2	1.1 ± 0.2

● 外形尺寸(单位mm) Dimensions(unit: mm)

