

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

CWF精密型NTC温度传感器系列

CWF Precision NTC Temperature Sensor Series

● 应用范围 Applications

应用于储能，汽车、医疗、电动工具、家用电器，通讯信息，工业自动化等场合的温度测量与控制。
Used for temperature measurement and control in applications such as energy storage, automotive, medical, power tools, household appliances, communication systems, industrial automation, etc.

核心测温元件通过UL,CQC,TUV认证及AEC-Q200检测
The temperature-sensing component has obtained certifications from
UL, CQC, TUV and has passed AEC-Q200 testing



江苏省高新技术产品
High-tech product in Jiangsu Province

● 特点

- 采用全新工艺、产品性能稳定，可长期工作
- 电阻值和B值精度高、一致性好、可互换
- 灵敏度高、反应迅速
- 具有良好的绝缘密封性和抗机械碰撞、抗折弯能力、可靠性高

● Features

- Utilizing Advanced Manufacturing Processes, the Product Demonstrates Stable Performance and is Capable of Long-Term Operation.
- High Resistance and B-Value Accuracy, Excellent Consistency, and Interchangeability.
- High Sensitivity and Rapid Response.
- Excellent Insulation and Sealing Properties, Resistance to Mechanical Impact and Bending, High Reliability.

● 安规认证 Certifications

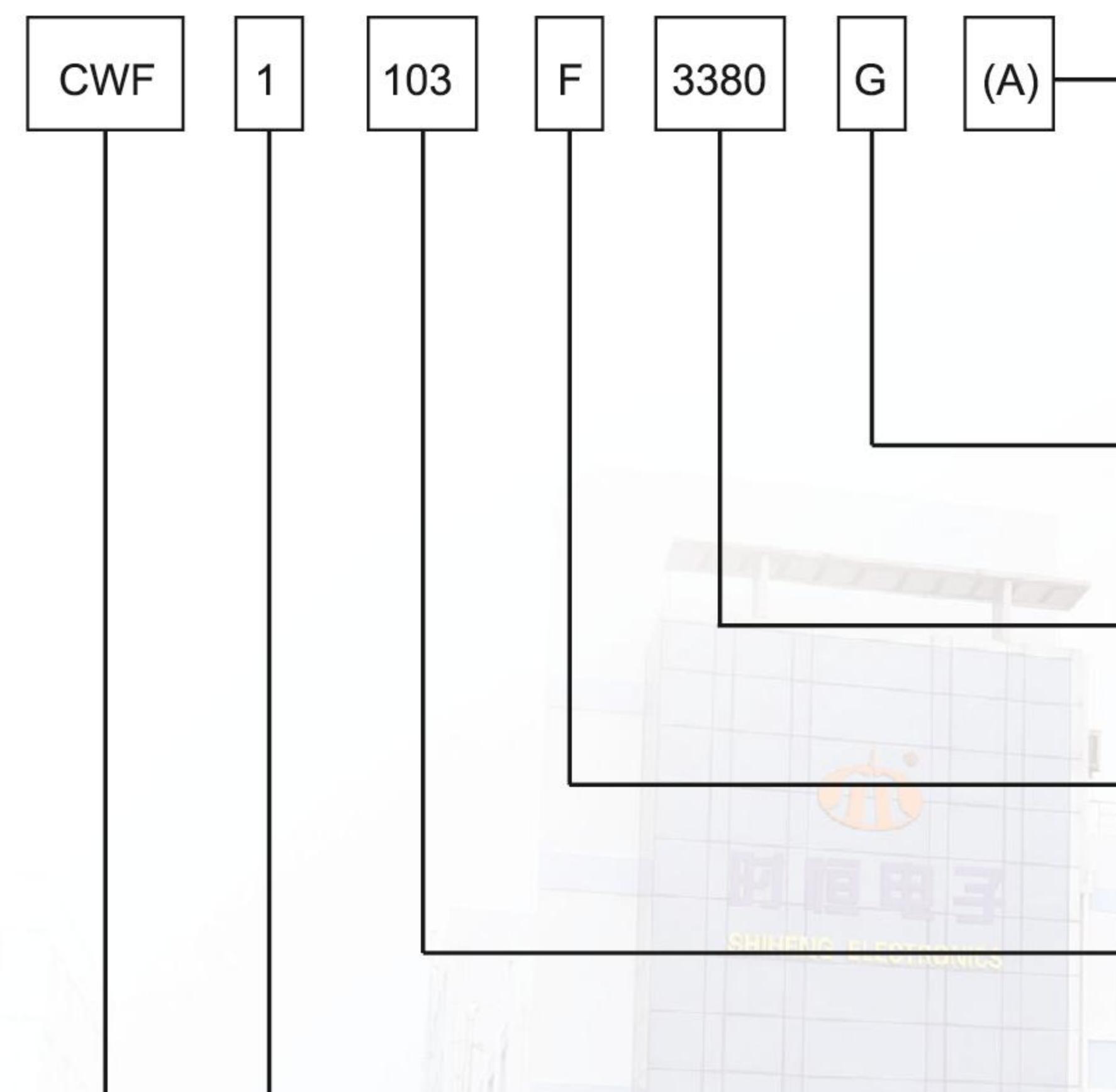


UL1434认证
UL1434 Certification
(File# E240991)



CQC 认证
CQC Certification
(File# 10001052282)

● 产品标志说明 Marking Instruction



核心元件代码(NTC热敏电阻型号)
A-MF52A、B-MF58、C-芯片、D- MF51、E-MF51E/MF52B、
F- MF11、G-MF55、H-MF52DE、I-CMF贴片、J-其他
Core Component Code (NTC Thermistor Type)
A-MF52A, B-MF58, C-Chip, D- MF51, E-MF51E/MF52B,
F- MF11, G-MF55, H-MF52DE, I-CMF SMT, J-Other

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(25/50°C): 3380K
B Value (25/50°C): 3380K

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%

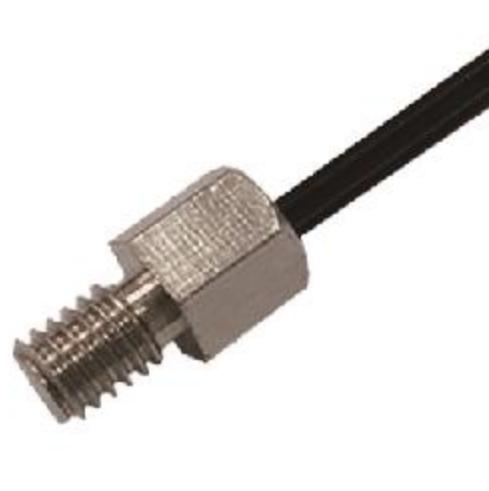
25°C的零功率电阻值: 103
Zero-Power Resistance at 25°C: 10KΩ

头部尺寸类别 The Head Categories

1-环氧包封	1-Epoxy encapsulation
2-铝壳、铜壳、不锈钢封装等	2-Aluminum, Copper Encapsulation, Stainless Steel Encapsulation
3-非金属封装	3-Non-metal Encapsulation
4-加固定金属片	4-Embedded Metal Sheet
5-特殊封装	5-Special Encapsulation
6-注塑封装	6-Injection Molding Encapsulation
7-陶瓷圆柱形	7-Ceramic Cylinder
8-FPC软板结构	8-FPC Flexible Board Structure
9-医疗用微型封装	9.Microenvelope for medical use

精密型NTC温度传感器
CWF Precision NTC Temperature Sensor Series

CWF精密型NTC温度传感器系列
CWF Precision NTC Temperature Sensor Series

<p>CWF1 环氧包封 CWF1 Epoxy encapsulation</p>  <p>环氧树脂 Epoxy Resin 导线 Wire 尾部上锡 Tin-Coated Tail D L_1 L_2 用户确定 To be determined by the user</p>	<p>CWF2 铝壳、铜壳、不锈钢壳封装 CWF2 Aluminum, Copper, Stainless Steel Encapsulation</p>  <p>铝、紫铜、不锈钢壳等 Aluminum, Copper, Stainless Steel Casings, etc. 导线 Wire D L_1 L_2 用户确定 To be determined by the user</p>
<p>CWF3 非金属封装 CWF3 Non-metal Encapsulation</p>  <p>6.5±0.1 20±1 L2 尾部上锡 Tin-Coated Tail L_2 用户确定 To be determined by the user</p>	<p>CWF4 加固定金属片 CWF4 Embedded Metal Sheet</p>  <p>$\Phi 7.2 \pm 0.2$ $\Phi 3.5$ 6.8±0.3 12.7±0.8 尾部上锡 Tin-Coated Tail L_2 用户确定 To be determined by the user</p>
<p>CWF5 加特殊封装 CWF5 Special Encapsulation</p>  <p>尾部上锡 Tin-Coated Tail L_2 用户确定 To be determined by the user</p>	 <p>尾部上锡 Tin-Coated Tail L_2 用户确定 To be determined by the user</p>
<p>CWF6 注塑封装 CWF6 injection Molding Encapsulation</p>  <p>6.5±0.1 20±1 L2 尾部上锡 Tin-Coated Tail L_2 用户确定 To be determined by the user</p>	<p>CWF7 陶瓷圆柱形 CWF7 Ceramic Cylinder</p>  <p>导线 Wire D L_1 L_2 用户确定 To be determined by the user</p>
<p>CWF8 FPC软板结构 CWF8 FPC Flexible Boa</p>  <p>导线 Wire L_2 用户确定 To be determined by the user</p>	<p>CWF9 医疗用微型封装 CWF9 Microenvelope for medical use</p>  <p>聚酰亚胺 Polyimide 双排镍合金漆包线 Double-Row Nickel Alloy Enamelled Wire L_2 Max0.35 Max2 Max0.5 Max2.3 L_2 用户确定 To be determined by the user</p>