

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF51玻封测温型NTC热敏电阻器系列

MF51 Series Glass-Encapsulated Temperature-Measurement NTC Thermistor

通过AEC-Q200检测
Passed AEC-Q200 Testing

● 应用范围

- 空调、暖气设备
- 电子体温计
- 液位传感器
- 汽车电子
- 电子台历

● Applications

- Air conditioning, heating equipment.
- Electronic thermometer.
- Liquid level sensor.
- Automotive electronics.
- Electronic calendar.

● 特点

- 体积小
- 测试精度高
- 反应速度快
- 一致性、互换性好
- 可在高温高湿等恶劣环境下使用

● Features

- Compact Size.
- High Testing Accuracy.
- Fast Response.
- Excellent Consistency and Interchangeability.
- Suitable for Use in Harsh Environments, including High Temperature and High Humidity

● 安规认证 Certifications



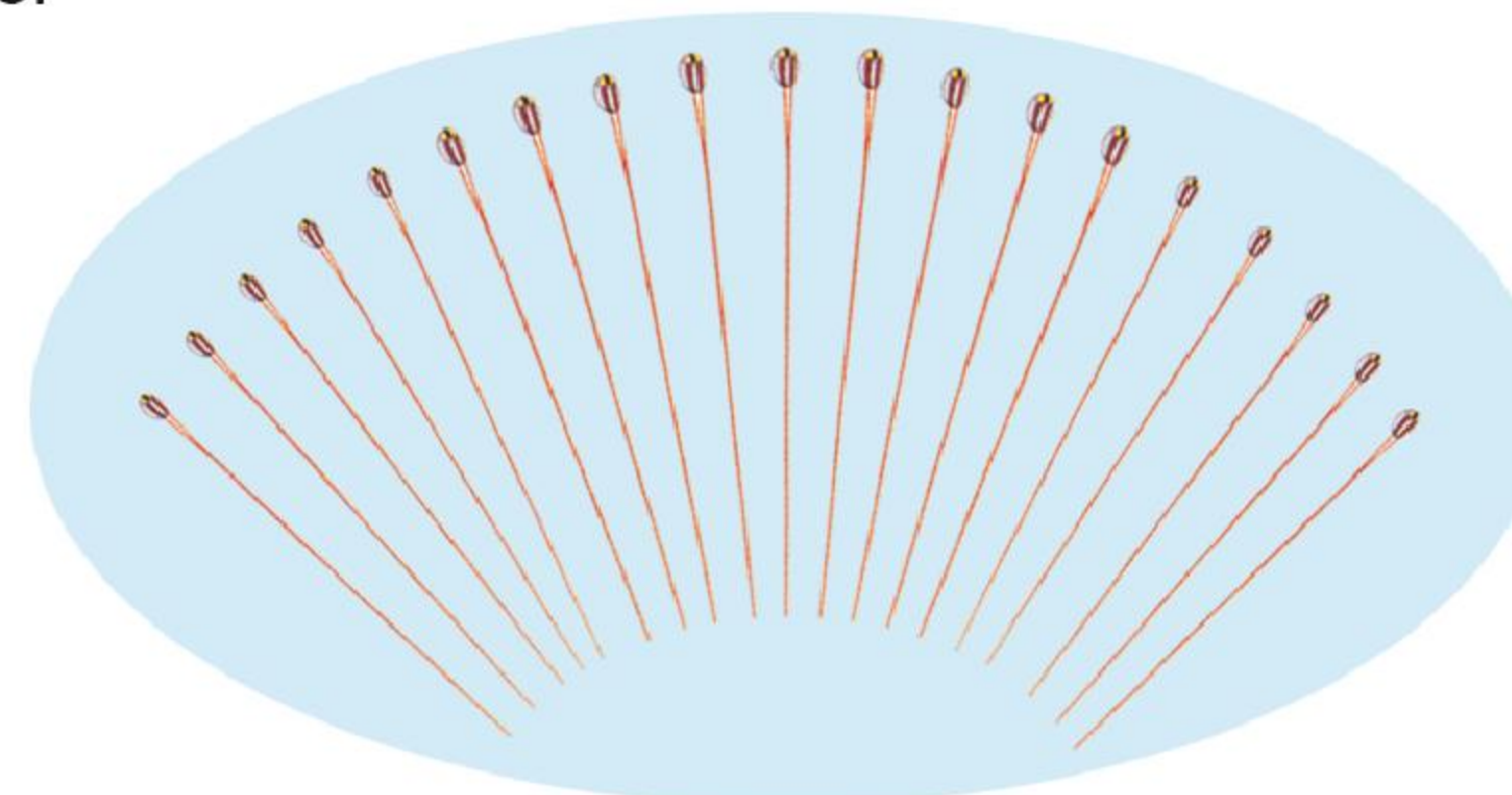
UL1434认证
UL1434 Certification
(File# E240991)



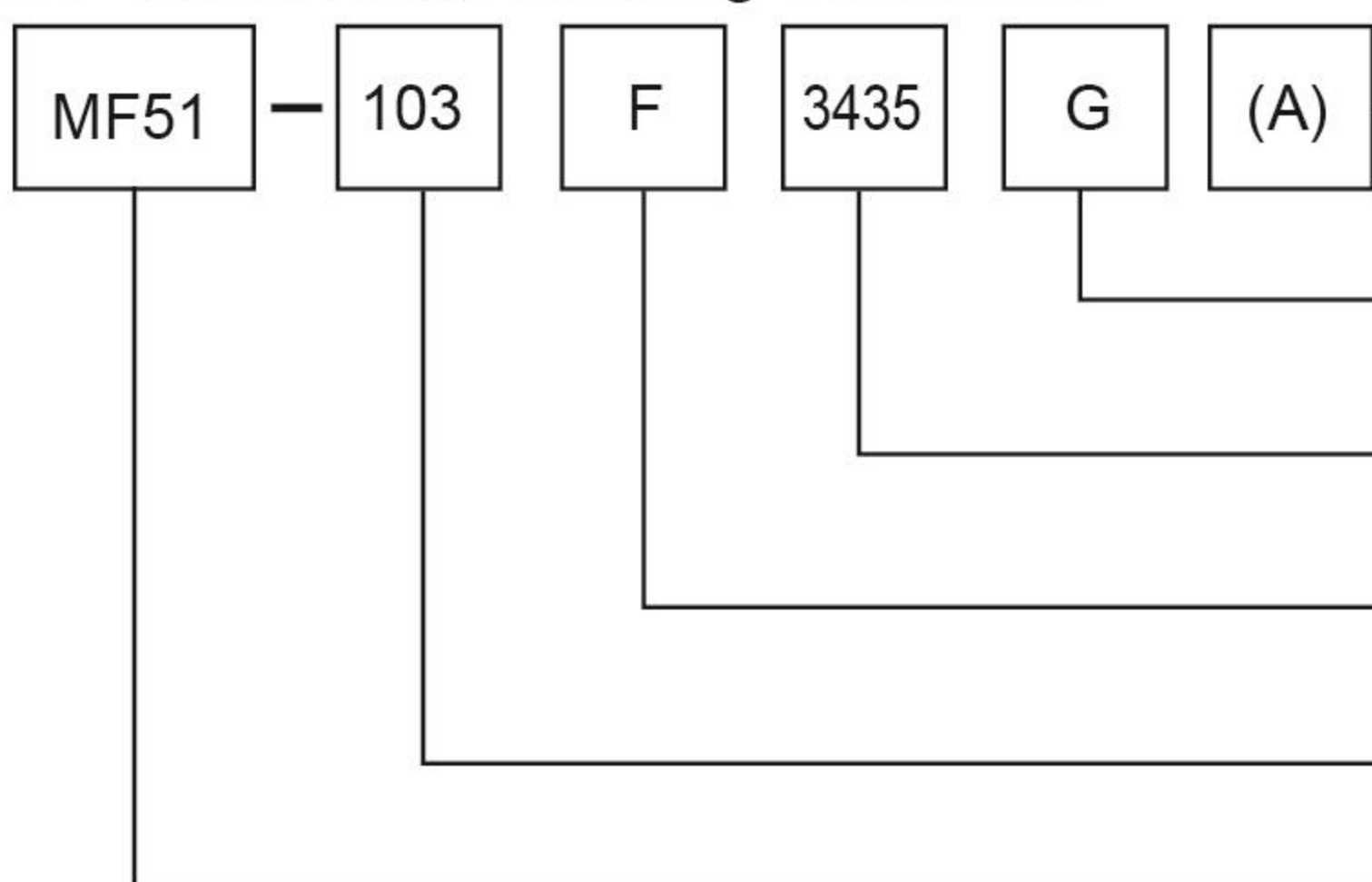
CQC 认证
CQC Certification
(File# 19001222003)



TUV 认证
TUV Certification
(File# R50245892)



● 产品标志说明 Marking Instruction



外形尺寸代号：A型
Dimension Code: Type A

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: 3435K(25/85°C) B Value: 3435K(25/85°C)

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%

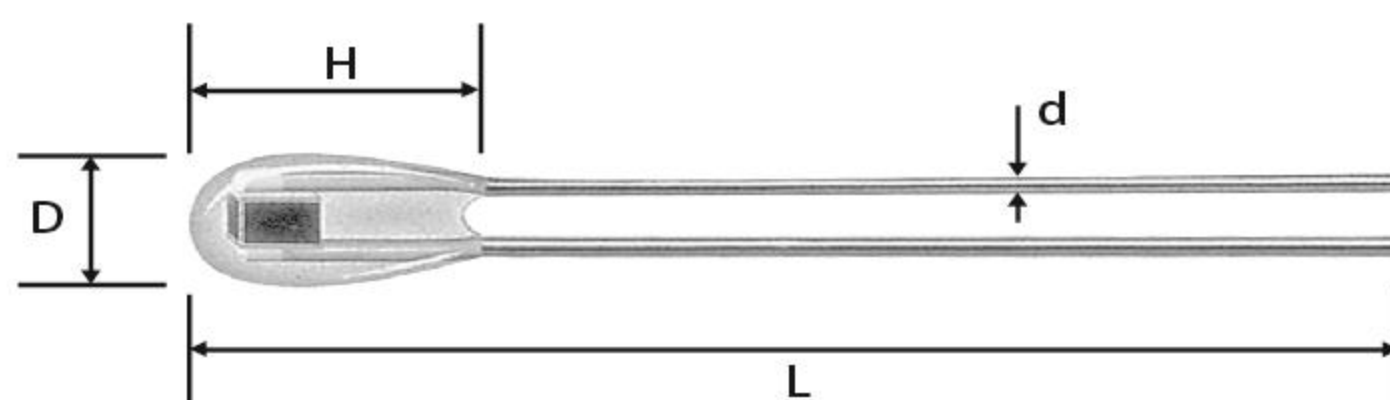
额定零功率电阻值：103为10KΩ

Rated Zero-Power Resistance Value: 103 represents 10KΩ

MF51：玻封测温型NTC热敏电阻

MF51: Glass-Encapsulated Temperature-Measurement NTC Thermistors

● 外形结构和尺寸 Dimensions (mm)



型号 Part No.	D	H	L	d	耗散系数约 Dissipation Constant Approx.	热时间常数约 Thermal Time Constant Approx.	25°C时最大额定功耗 Max. Power Rating at 25°C	绝缘电阻 Insulation Resistance	工作温度 Operating Temperature
					δ (mW/°C)	τ (s)	Pmax (mW)	DC/500V (MΩ)	(°C)
MF51 - □□□□ (A)	2.15±0.25	3.6±0.5	65±5	0.3±0.02	1.4	12	50	50	-55 ~ +250
MF51 - □□□□ (B)	1.7±0.25	3.2±0.5	65±5	0.25±0.02	0.9	9	35	10	
MF51 - □□□□ (C)	1.3±0.2	2.4±0.5	65±5	0.20±0.02	0.75	5	15	10	
MF51 - □□□□ (D)	1.0±0.2	2.2±0.5	65±5	0.20±0.02	0.68	3.5	12	10	
MF51 - □□□□ (F)	0.8±0.2	1.8±0.5	65±5	0.15±0.02	0.4	2	10	10	

● 主要技术参数 Main Technical Specifications

型号 Part No.	25℃的零功率电阻值 Zero-Power Resistance at 25℃ R25		B值 (25/50℃) B Value (25/50℃)	
	阻值范围 Range (KΩ)	允许偏差 Allowable Tolerance (%)	标称值 Nominal Value (K)	允许偏差 Allowable Tolerance (%)
MF51 - □□□3380	2 ~ 10	F: ±1 G: ±2 H: ±3 J: ±5	3380	F: ±1 G: ±2
MF51 - □□□3435	2 ~ 10		B25/85=3435	
MF51 - □□□3450	2 ~ 10		3450	
MF51 - □□□3750	8 ~ 10		3750	
MF51 - □□□3950	10 ~ 50		3950	
MF51 - □□□4150	50 ~ 100		4150	
MF51 - □□□4200	100 ~ 350		4200	
MF51 - □□□4350	870 ~ 980		4350	
MF51 - □□□4450	1000 ~ 1500		4450	
MF51 - □ 2.186K □ 3420	R25=2.186 R0=6		B25/85=3420 (B0/100=3390)	
MF51 - □ 10.74K □ 3480	R25=10.74 R0=30	B25/85=3480 (B0/100=3450)		
MF51 - □ 49.12K □ 3992	R25=49.12 R100=3.3	B25/85=3992 (B0/100=3970)		
MF51 - □ 98.63K □ 4066	R25=98.63 R200=0.55	B25/85=4066 (B100/200=4300)		
MF51 - □ 231.4K □ 4240	R25=231.4 R200=1	B25/85=4240 (B100/200=4537)		