

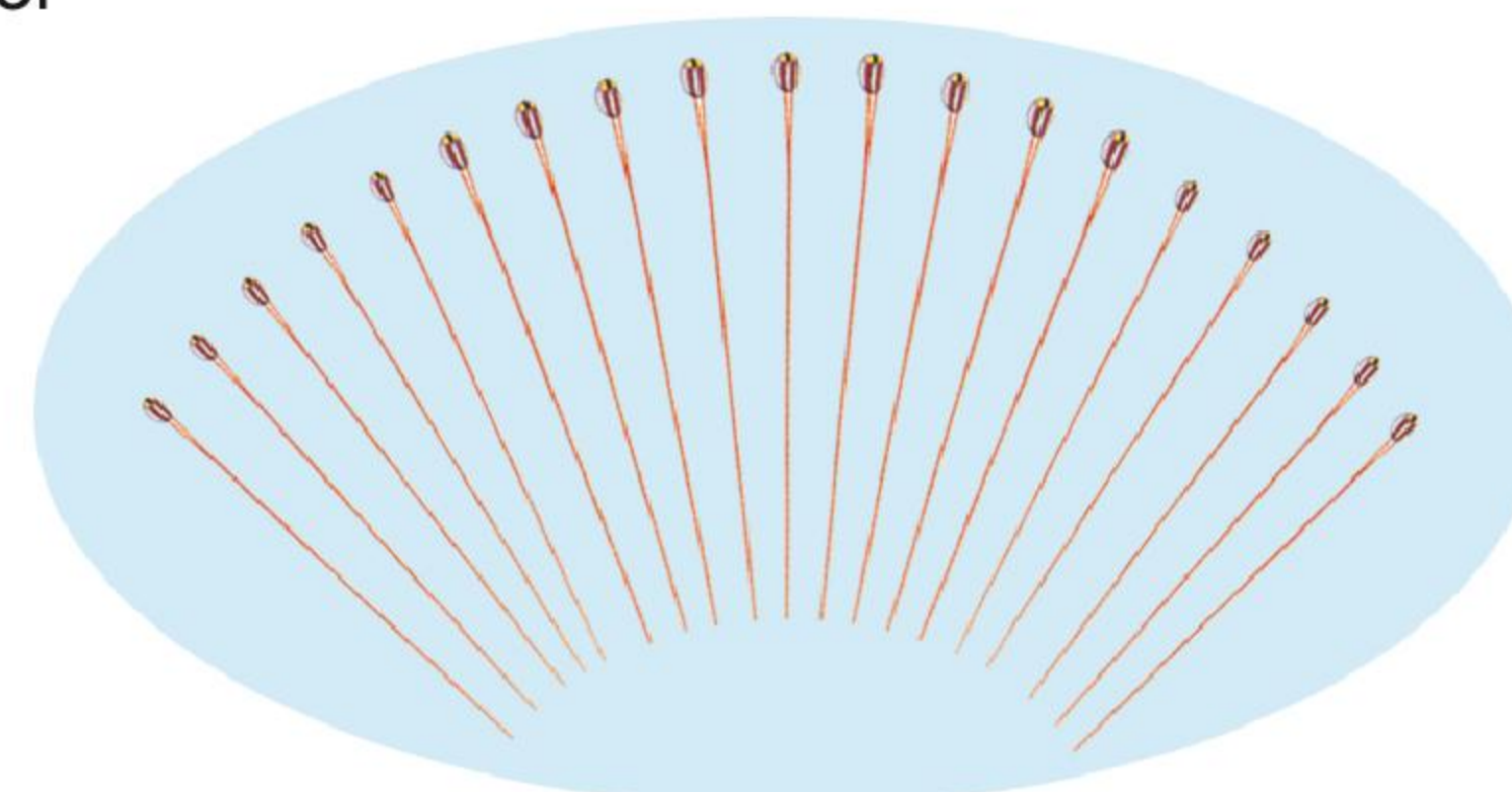
负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF51玻璃封装测温型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

- 工业控制
- 家用电器
- 汽车电子
- 医疗电子
- 办公设备
- 试验仪器

● Applications

- Industrial control.
- Household appliances.
- Automotive electronics.
- Medical electronics.
- Office equipment.
- Testing instruments.

● 特点

- 体积小、灵敏度高、测试精度高
- 自动化生产、一致性好、互换性好
- 由于玻璃封装，可在高温高湿等恶劣环境中使用，稳定性好
- 可以采用金电极热敏电阻芯片，可靠性高、寿命长

● 安规认证 Certifications



UL1434认证
UL1434 Certification
(File# E240991)



CQC 认证
CQC Certification
(File# 19001222003)

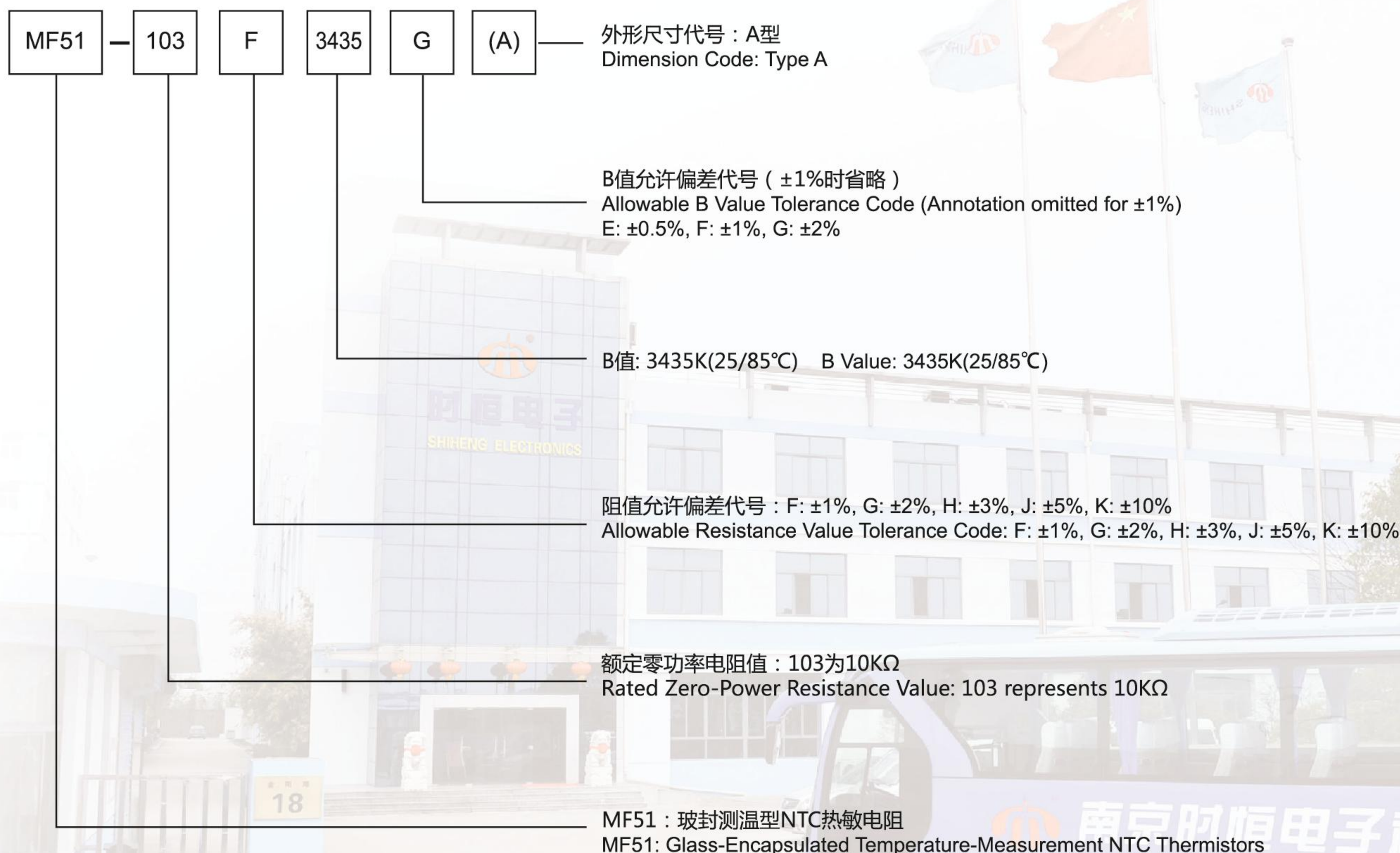


TUV 认证
TUV Certification
(File# R50245892)

● Features

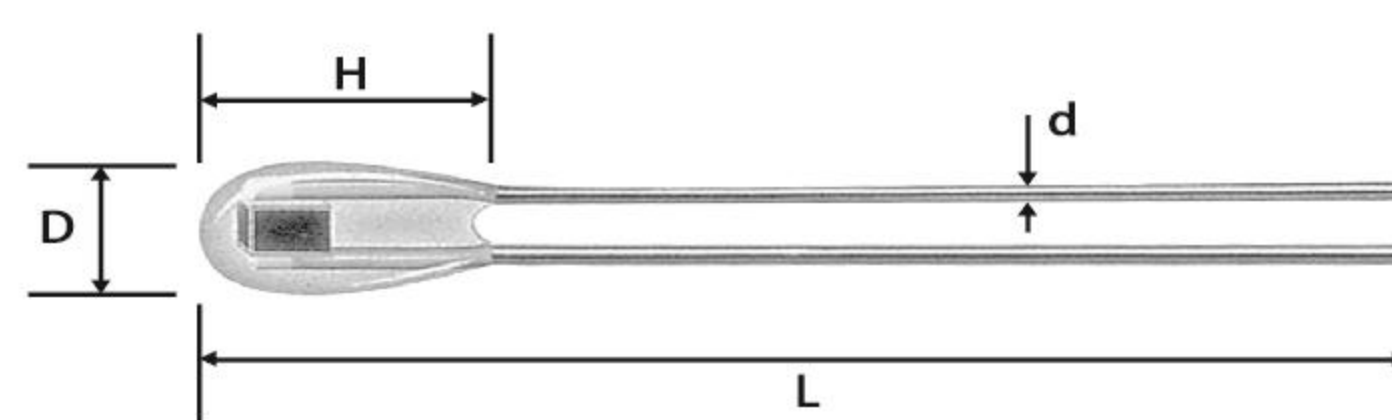
- Small size, high sensitivity, and high testing accuracy.
- Automated production, good consistency, and excellent interchangeability.
- Glass encapsulation allows for use in harsh environments with high temperature and humidity, ensuring good stability.
- Gold electrode thermistor chip can be used, offering high reliability and long lifespan.

● 产品标志说明 Marking Instruction



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● 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)	(M Ω)	(°C)
MF51-□□□□(A)	2.15±0.25	3.6±0.5	65±5	0.3±0.02	1.4	12	50	DC/500V 50	-55 ~ +250
MF51-□□□□(B)	1.7±0.25	3.2±0.5	65±5	0.25±0.02	0.9	9	35	DC/50V 10	
MF51-□□□□(C)	1.3±0.2	2.4±0.5	65±5	0.20±0.02	0.75	5	15	DC/50V 10	
MF51-□□□□(D)	1.0±0.2	2.2±0.5	65±5	0.20±0.02	0.68	3.5	12	DC/50V 10	
MF51-□□□□(F)	0.8±0.2	1.8±0.5	65±5	0.15±0.02	0.4	2	10	DC/50V 10	

● 主要技术参数 Main Technical Specifications

型号 Part No.	25°C的零功率电阻值 Zero-Power Resistance at 25°C R ₂₅		B值 (25/50°C) B Value (25/50°C)	
	阻值范围 Range (K Ω)	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-□□4250□(□)	100 ~ 350		4200	
MF51-□□4350□(□)	870 ~ 980		4350	
MF51-□□4450□(□)	1000 ~ 1500		4450	
MF51-2.186K□3420□(□)	R25=2.186 R0=6			
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)	