

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF11补偿型NTC热敏电阻器系列

MF11 Series Compensation Type NTC Thermistor

● 应用范围

用于一般精度的温度测量和在计量设备、电子电路中的温度补偿

● Applications

Used for general accuracy temperature measurements and temperature compensation in measuring devices and electronic circuits.

● 特点

- ◎ 体积小，自动化生产，一致性、互换性好
- ◎ 作为补偿元件可工作在较大电流、较大电压的应用场景
- ◎ 作为测温元件具有较大的测量功率和额定功率
- ◎ 产品可靠性高、稳定性好

● Features

- ◎ Compact size, automated production, good consistency, and interchange ability
- ◎ Can operate in high current and high voltage applications as a compensation component.
- ◎ As a temperature sensing element, it has high measurement power and rated power.
- ◎ High product reliability and good stability.

● 安规认证 Certifications



UL1434 认证
UL1434 Certification
(File# E240991)



CQC认证
CQC Certification
(File# 13001089724)



TUV认证
TUV Certification
(File# R50245892)

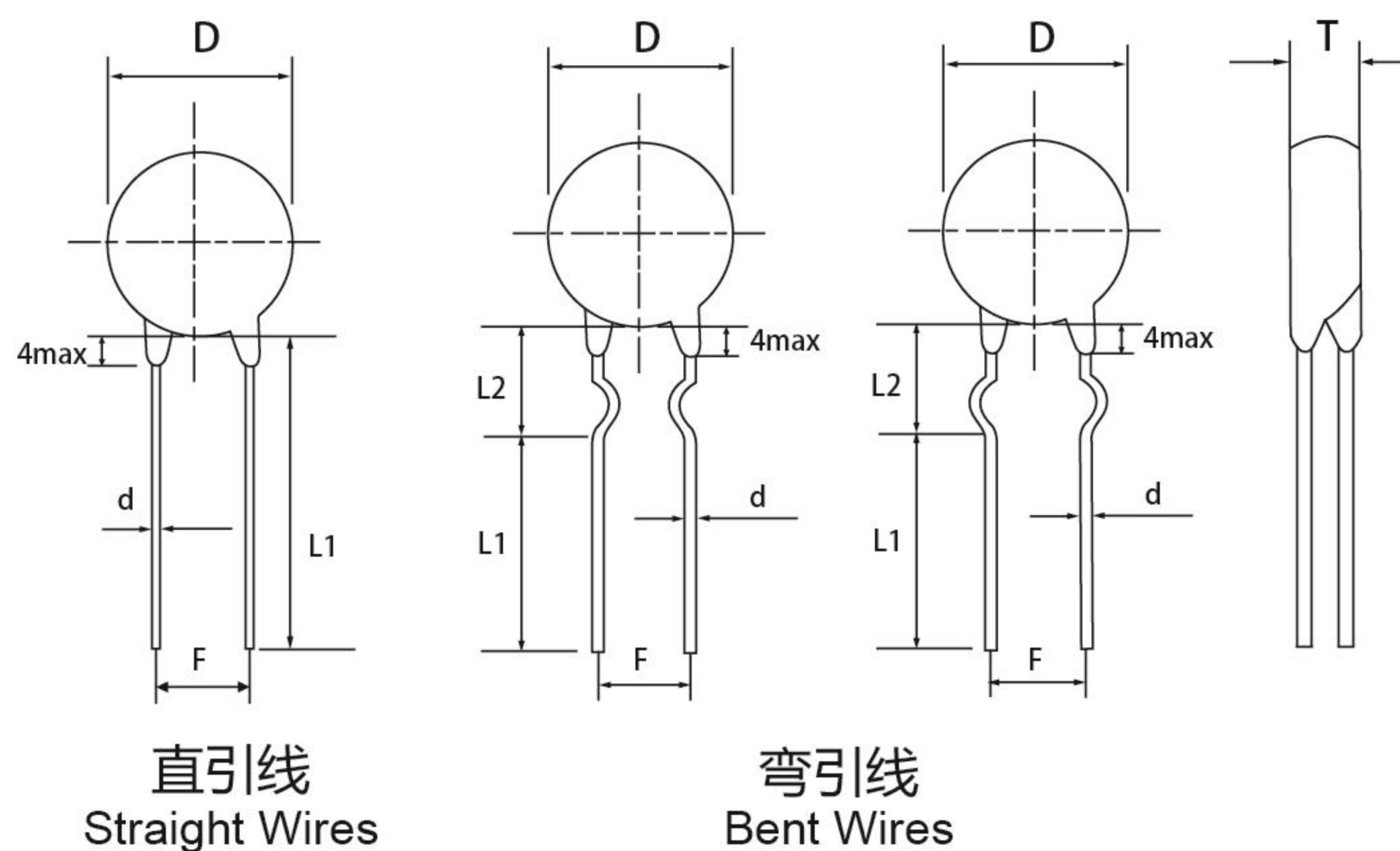
● 产品标志说明 Marking Instruction



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● 外形尺寸 Dimensions (mm)



尺寸 Dim. (mm)	代号 Code	D Max	L1 Min	L2±2	F±0.5	T Max	d±0.05
引线 Leads							
直线 Straight		6	25	/	2.5	4	0.45
内弯 Inward Bent		6	20	3.5	5	4	0.6
外弯 Outward Bent		6	20	5	2.5	4	0.45

● 主要技术参数 Main Technical Specifications

- ◎ 标称阻值及允差：见下表
- ◎ B值及允差：见下表
- ◎ 时间常数约：20秒
- ◎ 耗散系数约：4.5mW/°C
- ◎ 额定功率：450mW
- ◎ 使用温度范围：-30°C~+125°C
- ◎ Nominal Resistance Value and Allowable Tolerance: Refer to the Chart below.
- ◎ B Value and Allowable Tolerance: Refer to the Chart below.
- ◎ Time Constant: Approx. 20s.
- ◎ Dissipation Constant: Approx. 4.5 mW/°C
- ◎ Rated Power: 450mW
- ◎ Operating Temperature Range: -30°C~+125°C.

● 阻值、B值一览表 Resistance Value and B-Value Chart

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	
	阻值范围 Range (Ω)	允许偏差 Allowable Tolerance (%)	标称值 Rated Value (K)	允许偏差 Allowable Tolerance (%)
MF11	1.5~4.9	±5	2500	±10
	5~7		2600	
	8~24		2800	
	25~119		3000	
	120~359		3200	
	360~1400	±10	3600	
	1.5K~5.9K		3950	
	6K~12K	±15	4050	
	13K~17K		4150	
	18K~44K	±20	4250	
	45K~79K		4300	
	80K~144K		4400	
	145K~199K		4500	
	200K~299K		4600	
	300K~500K		4750	