

**MF58 玻封二极管式 NTC 热敏电阻系列**  
**MF58 glass-sealed diode type NTC thermistor series**

玻封二极管式热敏电阻采用玻璃密封，是一种高可靠性，高耐热性的轴向热敏电阻，可广泛用于各种应用。

**The glass-sealed diode thermistor is a glass-sealed, high-reliability, high-heat-resistance axial thermistor that can be used in a wide variety of applications.**



**■ 用途 Use**

空调设备，热水器，微波炉，冰箱，电磁炉等各种家用电器家居设备，太阳能系统，自动售货机，冷冻陈列柜等  
 Air conditioning equipment, water heaters, microwave ovens, refrigerators, induction cookers and other household appliances, solar energy systems, vending machines, frozen display cabinets, etc.

**■ 规格参数 Specifications**

型号 Model	零负载电阻 <sup>*1</sup> Zero load resistance			规格温度 <sup>°C</sup> Specification temperature	B 值参数 <sup>*2</sup> B value parameter	精度偏差 Precision deviation	使用温度范围 <sup>°C</sup> Operating temperature range
	规格温度 Rating temperature	电阻值 Resistance	精度偏差 Precision deviation				
5K3440	25 <sup>°C</sup>	5K $\Omega$	±1% ±2% ±3% ±5% ±T% <sup>*3</sup>	B25/50	3440	±1% ±2% ±3% ±5% ±T% <sup>*3</sup>	-40~250
10K3380/3435		10K $\Omega$		B25/50	3380		
10K3470				B25/85	3435		
10K3950				B25/50	3470		
5.91K3820	85 <sup>°C</sup>	5.91K $\Omega$		B25/85	3820		
50K3820	25 <sup>°C</sup>	50K $\Omega$		B25/50	3950		
50K3950		100K $\Omega$					
100K3950		100K $\Omega$					
100K3990		100K $\Omega$					
5.49K3950	106 <sup>°C</sup>	5.49K $\Omega$		B100/200	4250		
100K4150	25 <sup>°C</sup>	100K $\Omega$					
100K4200		260K $\Omega$					
260K4250		260K $\Omega$					
1K4595	200 <sup>°C</sup>	1K $\Omega$	B25/85	4025			
6.6K4025	100 <sup>°C</sup>	6.6K $\Omega$					
3.4513K4300	114 <sup>°C</sup>	3.4513K $\Omega$					
200K4325	25 <sup>°C</sup>	200 K $\Omega$		4300			
				4325			

★上述为部分常规型号，不代表全部参数，可联系咨询。The above is a part of the regular model, does not represent all parameters, can contact us.

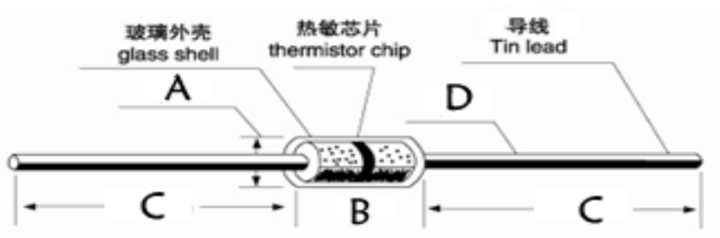
- 耗散系数 Dissipation coefficient:  $\approx 2.5\text{mW}/^{\circ}\text{C}$
- 热时间常数 Thermal time constant:  $\leq 8\text{s}$
- 额定功率 Rated power:  $\approx 7.5\text{mW}$  at 25<sup>°C</sup>
- 耐电压 Withstand voltage: AC300V/1mA/60s
- 绝缘阻抗 Insulation resistance: DC50V/50M $\Omega$ /60s

※1: 在指定温度下的零负载电阻 Zero load resistance at specified temperature.

※2: 根据指定温度下的零负载电阻计算 Calculated based on zero load resistance at the specified temperature.

※3: 定制特殊精度 Custom special precision

## 尺寸参数 Size parameters (mm)



A	B	C	D
1.8±0.2	3.8±0.5	28±2	0.5±0.05

## 性能 Performance

试验项目 Pilot projects	试验条件 Test conditions	标准 Standard
可焊性 Solderability	引线浸在 280±5℃ 的锡液里, 时间≥3 秒 The lead is immersed in a tin bath at 280 ± 5 ° C for ≥ 3 seconds	焊锡涂布面积在 80%以上 Solder coating area is over 80%
耐焊性 Solder resistance	焊接热源距离电阻头 B 距离≥9MM, 280±20℃, 时间≤2 秒 The distance between the welding heat source and the resistance head B is ≥9MM, 280±20° C, time ≤2 seconds	ΔR≤±3% ΔB≤±1%
高温储存 High temperature storage	空气中 200±5℃ 放置 1000 小时 200±5° C in the air for 1000 hours	ΔR≤±3% ΔB≤±2%
低温储存 Low temperature storage	空气中-10±5℃ 放置 1000 小时 1000 hours at -10 ± 5 ° C in the air	ΔR≤±3% ΔB≤±2%
冷热冲击 Thermal shock	-10±5℃/3 分钟 ↔ 100±5℃/3 分钟 循环 300 次 -10±5° C/3 minutes ↔ 100±5° C/3 minutes Cycle 300 times	ΔR≤±3% ΔB≤±1%
稳态湿热 Steady state damp heat	湿度 85±5%, 85±5℃ 放置 1000 小时 Humidity 85±5%, 85±5° C, 1000 hours	ΔR≤±3% ΔB≤±2%
跌落测试 Drop test	1 米高处自由跌落 3 次 Free fall 3 times at 1 meter height	无可见损伤 No visible damage ΔR≤±3% ΔB≤±1%
拉力测试 Pull test	固定电阻本体, 引线端水平逐渐施加 3N 的拉力, 3 秒 Fixed resistor body, the lead end level gradually applies 3N pulling force, 3 seconds	ΔR≤±3% ΔB≤±1%
弯曲测试 Bending test	电阻引脚弯曲 90 度, 恢复到初始位置, 反复 3 次 The resistance pin is bent 90 degrees and returns to the initial position, repeated 3 times.	ΔR≤±3% ΔB≤±1%
保存/期限 Save/term	(原包装状态) 避免阳光照射, 远离腐蚀、磁场环境 温度: -10 至 35℃ 湿度: 45%至 75% 保存期: 1 年 (零负载) (Original packaging status) Avoid sunlight, away from corrosion, magnetic field environment, Temperature: -10 to 35 ° C Humidity: 45% to 75% Storage period: 1 year (zero load)	ΔR≤±1% ΔB≤±1%

## 注意事项 Precautions

■ 使用焊料连接引线时, 焊接距离玻璃封条末端 9 mm 或更远的距离。

When soldering the leads, solder the distance 9 mm or more from the end of the glass seal.

■ 处理引线时, 将其固定在距离玻璃密封端 9 毫米或更远的位置。When handling the leads, fix them 9 mm or more from the glass seal end.

■ 不可直接使用在潮湿环境下。Cannot be used directly in wet conditions.

■ 参考资料, 以产品最新技术承认书为准。Reference materials, subject to the latest technical recognition of the product.

■ 中英文有分歧, 以中文为准。There are differences between Chinese and English, whichever is Chinese.

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