

**负温度系数 (NTC) 热敏电阻器**

## Negative Temperature Coefficient (NTC) Thermistor

**MF59玻璃封片式NTC热敏电阻器系列**

## MF59 Series Glass-Encapsulated Chip NTC Thermistor

 通过AEC-Q200检测  
 Passed AEC-Q200 Testing

**● 特点 Features**

- ◎ 玻璃封装，可在高温和高湿等恶劣环境下使用
- ◎ 测温精度高、稳定性好、阻值范围宽
- ◎ 体积小、反应速度快、灵敏度高
- ◎ 无引线，便于SMT自动化安装



- ◎ Glass-Encapsulated, Suitable for Use in Harsh Environments, Including High Temperature and High Humidity.
- ◎ High Temperature Measurement Accuracy, Excellent Stability, Wide Resistance Range.
- ◎ Compact Size, Fast Response, High Sensitivity
- ◎ Leadless Design, Ideal for SMT (Surface Mount Technology) Automated Installation.

**● 安规认证 Certifications**

 UL1434认证  
 UL1434 Certification  
 (File# E240991)

 TUV 认证  
 TUV Certification  
 (File# R50245892)

**● 应用范围 Applications**

- ◎ 办公自动化设备（如笔记本电脑、复印机、打印机等）
- ◎ 数码设备（移动电话、PDA等）
- ◎ 可充电电池（锂电池、镍氢电池等）
- ◎ 仪表线圈、集成电路、石英晶体振荡器的温度补偿
- ◎ Office automation equipments (such as laptops, copiers, printers, etc.)
- ◎ Digital devices (such as mobile phones, PDAs, etc.)
- ◎ Rechargeable batteries (Lithium battery, Nickel-metal Hydride battery, etc.)
- ◎ Temperature Compensation for Instrumentation Coils, Integrated Circuits, and Quartz Crystal Oscillators.

**● 产品标志说明 Marking Instruction**

**● 外形结构和尺寸 Dimensions(mm)**

**● 主要技术参数 Main Technical Specifications**

型号 Part No.	L	D	25℃的零功率电阻值 Zero-Power Resistance at 25℃ R <sub>25</sub>		B值 (25/50℃) B Value (25/50℃)		热时间常数约 Thermal Time Constant Approx. τ (s)	耗散系数约 Dissipation Constant Approx. δ (mW/℃)	25℃时最大 额定功耗 Max. Power Rating at 25℃ P <sub>max</sub> (mW)	工作温度 Operating Temperature (℃)
			阻值范围 Range (KΩ)	允许偏差 Allowable Tolerance (%)	标称值 Nominal Value (K)	允许偏差 Allowable Tolerance (%)				
MF59-□□□□ (A)	3.6±0.2	1.5±0.2	0.1-1000KΩ	F: ±1 G: ±2 H: ±3 J: ±5 K: ±10	3100-4500	E: ±0.5 F: ±1	10	2	50	-55 ~ +250
MF59-□□□□ (B)	1.8±0.2	1.1±0.2					5	1	25	