Negative temperature coefficient (NTC) thermistor

MF58 Glass Shell Temp measurement NTC Thermistor series

- **Applications**
  - Home appliances (such as air-conditioner, microwave oven, induction cooker, toaster, coffee maker, etc.)
  - Temperature control and examination of household electrical appliances
  - Temperature examination and compensation of the automatic work facilities
  - Battery of mobile telephone, battery pile
  - Temperature compensation of loops of instrument, integrator, circuit board, quartz crystal monolayer and thermocouple.

- **Characteristics**
  - Good stability and security
  - Wide range of resistance
  - Capability of operating in the bad environment of high temperature and high humidity because of the glass encapsulation framework.
  - Small size, light weight, strong frame, easy automatic installation (on the printed-circuit board)
  - Fast response to the temperature, high delicacy

- **Main Technical Parameters**
  - The range of resistance under the rated power (R25): 0.1 ~ 3780kΩ
  - The allowable tolerance of R25: ±1%, ±2%, ±3%, ±5%, ±10%
  - The range of B value: 310 ~ 4500K
  - The allowable tolerance of B value (Label by Requirement): ±0.5%, ±1%
  - Dissipation factor: ≥2mW/°C (In Still Air)
  - Thermal time constant: ≤20S (In Still Air)
  - The range of operating temperature: −55°C ~ +250°C
  - Rated Power: ≤50mW

- **Product Marking**

- **Dimensions (mm)**

- **外形结构和尺寸**
  - Glass shell size: 27.0mm × 4.0mm × 27.0mm
  - Thermistor chip size: 1.6mm × 1.6mm × 1.6mm