

# MF11

## Temperature Compensation NTC Thermistor

The MF11 series of NTC Thermistors is designed for temperature measurement and the temperature compensation of measurement instruments and electronic circuits.



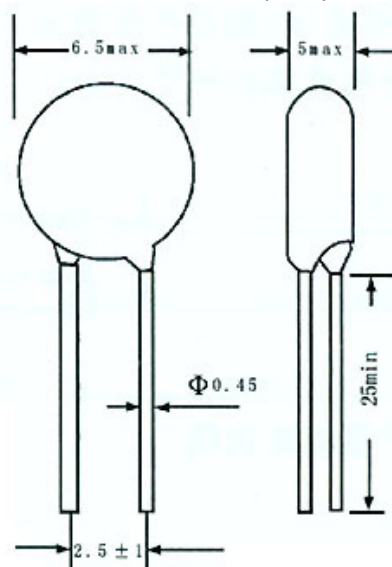
### Application

- Temperature Measurement
- Temperature Compensation of Electronic Circuits

### Characteristics

- Broad range of resistance
- Wide choice of B values
- Standard tolerances:  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$
- B Value tolerance:  $\pm 5\%$
- Available in all standard R values
- Measuring power  $\leq 0.5\text{mW}$
- Dissipation Constant  $\geq 6.0\text{mW}/^\circ\text{C}$
- Time Constant of  $\leq 30$  seconds
- Rated Power:  $0.5\text{W}$
- Long-term Stability and Reliability
- Good level of Tolerance and Interchangeability
- Temperature Range:  $-55^\circ\text{C}$  to  $125^\circ\text{C}$

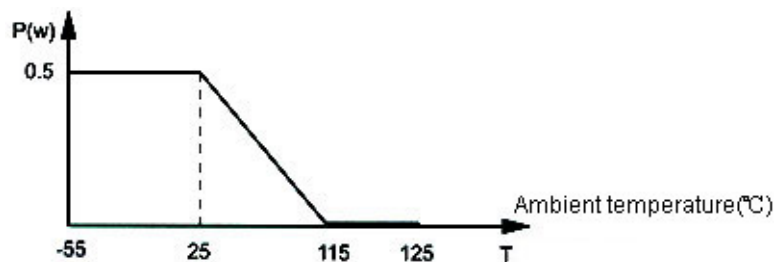
### Dimensions(mm)



Part No	Rated zero-power resistance at 25°C		B Value (25/50°C)	
	Resistance range (Ω)	Allowable Tolerance (%)	Rated Value (K)	Allowable Tolerance (%)
MF11	3.3-33	+/- 5 +/- 10 +/- 20	2700	+/-5
	6.8-68		2830	
	15-150		2950	
	33-330		3100	
	68-680		3250	
	150-1500		3400	
	330-3300		3570	
	680-6800		3740	
	1500-15000		3900	
	3300-33000		4050	

Remark: We can produce thermistors according to your special requirements.

### ➤ Power-Consumption curve:



### ➤ Specification

