

# AP THERMISTOR

The AP Thermistor features higher accuracy and higher resistance to heat than our existing high-precision thermistor.  
AP Thermistor suits various types of application.

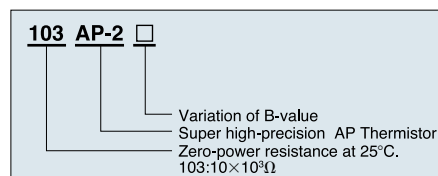
## Features

- Super high-precision : Tolerance on  $R_{25}$  and  $B_{25/85}$  is  $\pm 0.5\%$ .
- Narrow deviation in wide temperature range: Accurate temperature detecting with tolerance of  $\pm 0.5^\circ\text{C}$  in  $-60^\circ\text{C}$  to  $70^\circ\text{C}$ .
- High resistance to heat : Category temperature range is  $-60^\circ\text{C} \sim 150^\circ\text{C}$ .

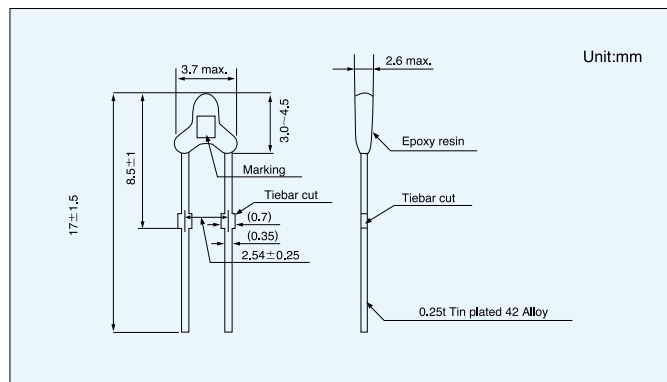
## Applications

Portable devices, Battery packs, Fan motor, Automobile, Office automation equipment, Electrical household appliances, Security devices, Thermometer, Measurement equipment, Temperature detecting, etc.

## Part number

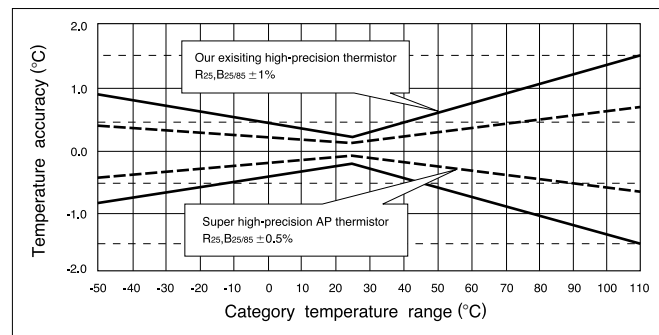


## Dimensions



This products complies with RoHS

## Temperature accuracy



## Specifications

Part No.	R <sub>25</sub> * <sup>1</sup>		B value* <sup>2</sup>		Dissipation factor (mW/°C) Approx.	Thermal time constant(s)* <sup>3</sup> Approx.	Rated maximum power dissipation(at 25°C)(mW)	Category temperature range(°C)
202AP-2	2.00kΩ	±0.5%	3976K	±0.5%	1.2	15	6	−60~+150
232AP-2	2.252kΩ		3976K					
502AP-2	5.00kΩ		3976K					
103AP-2	10.0kΩ		3435K					
103AP-2-A			3976K					
203AP-2			20.0kΩ					
503AP-2	50.0kΩ		4220K					
104AP-2	100kΩ		4261K					
204AP-2	200kΩ		4470K					

\*1  $R_{25}$  : Zero-power resistance value at  $25^\circ\text{C}$ .

\*2 B-value : Calculated from the zero-power resistance values measured at  $25^\circ\text{C}$  and  $85^\circ\text{C}$ .

\*3 Time when Thermistor temperature reaches 63.2% of the temperature difference. The value is measured in still air.