

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.

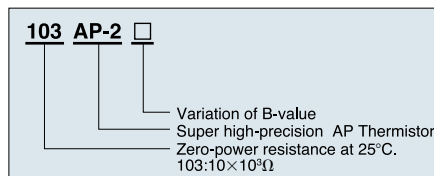
Features

- 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°C to 70°C .
- High resistance to heat : Category temperature range is -60°C ~ 150°C .

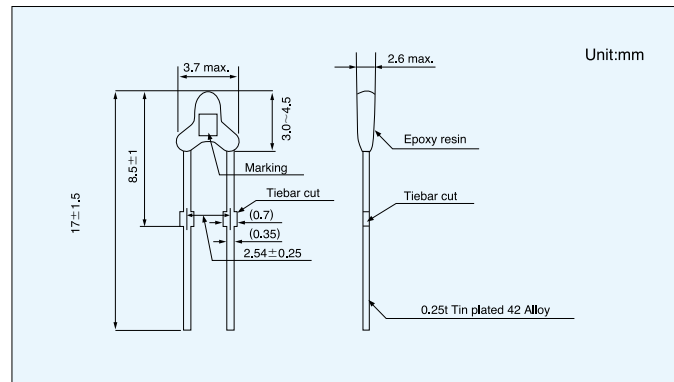
Applications

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

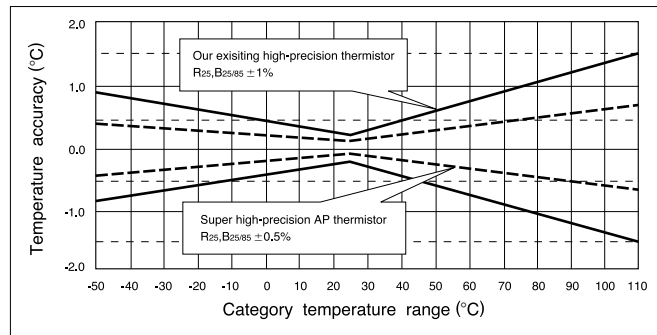
Part number



Dimensions



Temperature accuracy



Specifications

Part No.	R_{25}^{*1}	B value ^{*2}	Dissipation factor (mW/°C) Approx.	Thermal time constant(s) ^{*3} Approx.	Rated maximum power dissipation(at 25°C)(mW)	Category temperature range(°C)
202AP-2	2.00k Ω	3976K	1.2	15	6	-60~+150
232AP-2	2.252k Ω	3976K				
502AP-2	5.00k Ω	3976K				
103AP-2	10.0k Ω	3435K				
103AP-2-A		3976K				
203AP-2	20.0k Ω	3976K				
503AP-2	50.0k Ω	4220K				
104AP-2	100k Ω	4261K				
204AP-2	200k Ω	4470K				

*1 R_{25} : Zero-power resistance value at 25°C.

*2 B-value : Calculated from the zero-power resistance values measured at 25°C and 85°C.

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