

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.

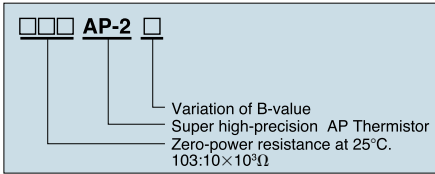
Features

- Super high-precision : Tolerance on R₂₅ and B_{25/85} is ±0.5%.
- Narrow deviation in wide temperature range:Accurate temperature detecting with tolerance of ±0.5°C in-60°C to 70°C.
- High resistance to heat : Category temperature range is -60°C~150°C.

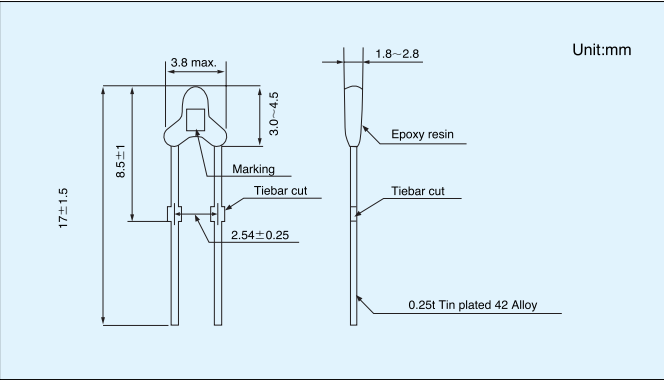
Applications

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

Part number

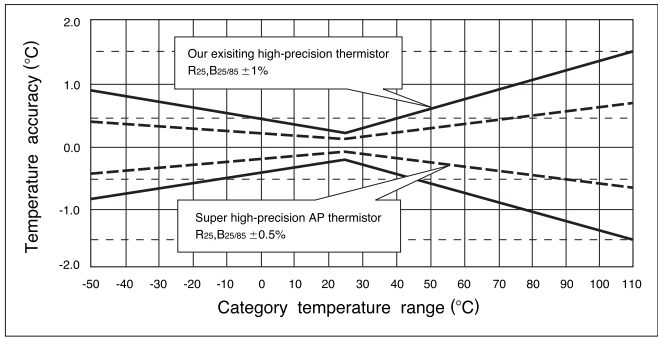


Dimensions



This products complies with RoHS

Temperature accracy



Rating and characteristic

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	2.00kΩ	±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		3976K					
503AP-2	50.0kΩ		4220K					
104AP-2	100kΩ		4261K					
204AP-2	200kΩ		4470K					

*1 R₂₅: 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.