

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



This products complies with RoHS

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	2.00kΩ	3976K	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 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.