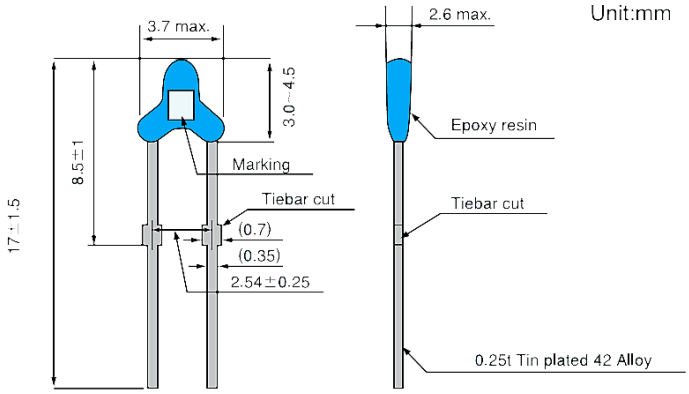
Semitec AP NTC Thermistor

Semitec AP Thermistors

Our AP thermistors offer an even higher level of precision than our AT-2 thermistors and with a 150˚C Tmax rating, they are suitable for a multitude of applications;

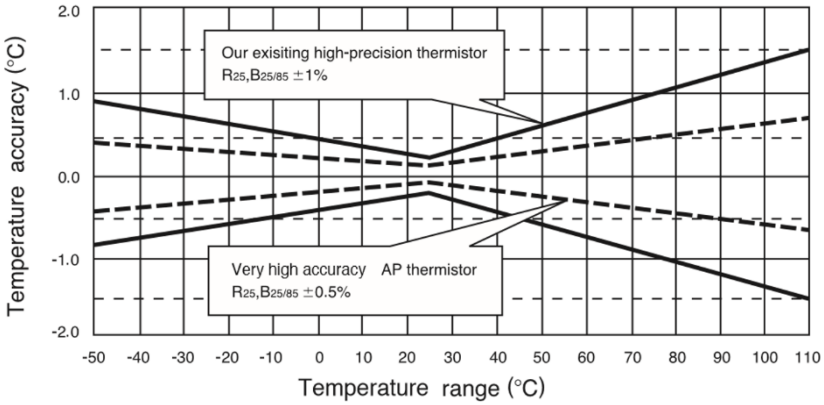
Applications

- Battery chargers
- Battery packs
- Digital thermometers
- Domestic appliances
- Automotive
- Home automation
- Fire & Security
- Temperature Sensors
- Measuring instruments



Features

- Very high accuracy between -60˚C to +80˚C
- Tight R_{25} and $B_{25/85}$ tolerances (±0.5%)



Part Number

103 AP-2 □

- B value variation
- AP thermistor
- Zero-power resistance at 25°C. 103:10×10³Ω

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 Rated zero-power resistance value at 25°C.
*2 B value determined by rated zero-power resistance at 25°C and 85°C.
*3 Time necessary to reach 63.2% of temperature difference. Measured in still air.

For further information please contact us at **sales@atcsemitec.co.uk**