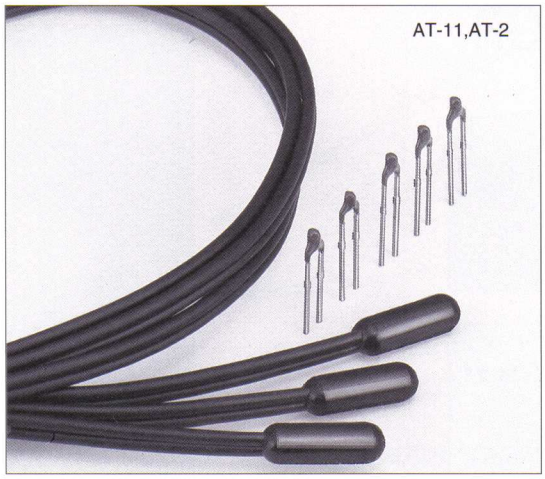
AT THERMISTOR

The AT thermistor is a high-precision thermal sensing device featuring extremely small B-value tolerance and resistance.
When used as a temperature gauge, the AT thermistor requires no adjustment between the control circuit and the sensor.
This insures temperature precision of ±0.3°C.
Temperature indicators and control instruments are now available for use with the thermistor.

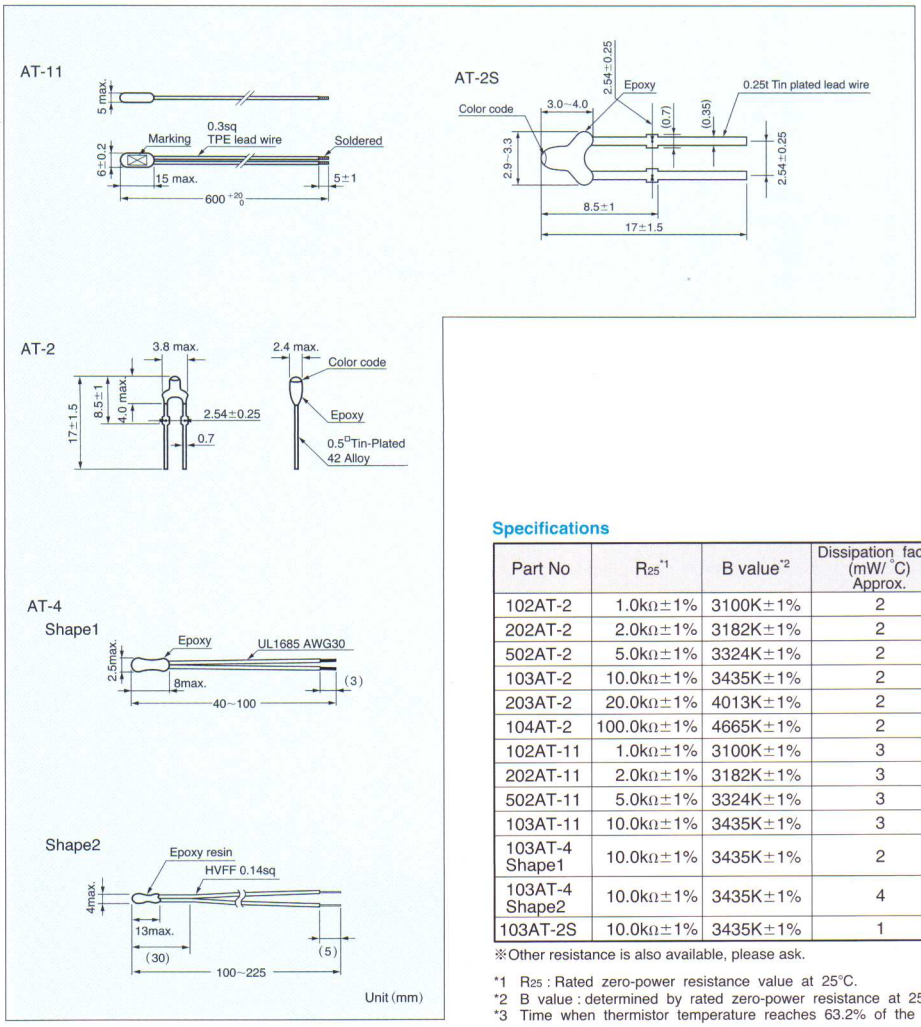


Part number

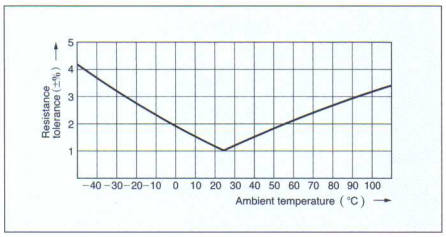
102 AT-2

- Shape
- High-precision AT thermistor
- Rated zero-power Resistance at 25°C 102 : 1(kΩ)

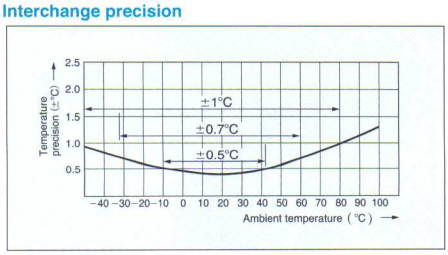
Dimensions



Resistance tolerance



Interchange precision



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 temp. range(°C)	Color code
102AT-2	1.0kΩ±1%	3100K±1%	2	15	10	−50~90	Black
202AT-2	2.0kΩ±1%	3182K±1%	2	15	10	−50~90	Red
502AT-2	5.0kΩ±1%	3324K±1%	2	15	10	−50~110	Yellow
103AT-2	10.0kΩ±1%	3435K±1%	2	15	10	−50~110	White
203AT-2	20.0kΩ±1%	4013K±1%	2	15	10	−50~110	None
104AT-2	100.0kΩ±1%	4665K±1%	2	15	10	−50~110	None
102AT-11	1.0kΩ±1%	3100K±1%	3	75	15	−50~90	None
202AT-11	2.0kΩ±1%	3182K±1%	3	75	15	−50~90	None
502AT-11	5.0kΩ±1%	3324K±1%	3	75	15	−50~105	None
103AT-11	10.0kΩ±1%	3435K±1%	3	75	15	−50~105	None
103AT-4 Shape1	10.0kΩ±1%	3435K±1%	2	10	10	−30~90	None
103AT-4 Shape2	10.0kΩ±1%	3435K±1%	4	35	20	−30~90	None
103AT-2S	10.0kΩ±1%	3435K±1%	1	15	5	−50~110	white

※Other resistance is also available, please ask.

*1 R_{25} : 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 when thermistor temperature reaches 63.2% of the temperature difference. The value is measured in the air.