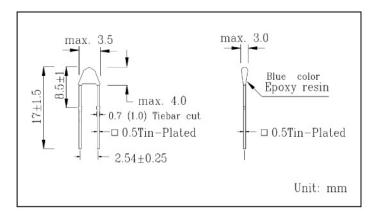


High-Precision AT Type NTC Thermistors

HAT Series





FEATURES:

- · Low cost, high stability
- Excellent thermal cycle endurance
- No adjust between the control circuit and the sensor
- RoHS Compliance

The HAT series thermistor is a high-precision thermal sensing device. They have small B-value tolerance and resistance. They insure temperature precision of $\pm 0.3~^{\circ}\text{C}$ and can be employed for very accurate temperature control or compensation. They are also useful for insert to PCB in the constant length.

SPECIFICATIONS

Temperature ranges -50°C to 110°C

R25:

Rated Zero-power 1,000 ohms

resistance value at 25 °C 2,000 ohms

5,000 ohms

10,000 ohms

20,000 ohms

47,000 ohms

Tolerances $\pm 1\%, \pm 3\%, \pm 5\%$

B value:

3100K - 4665K

Determined by rated zero-power resistance at 25 °C and 85 °C

R/T curve HAT series thermistors are available in

all R/T curve materials. Detailed curve

information on pages 22-24.

Tolerances ±1%

Dissipation constant 2 mW/ °C

Thermal time constant Typically 3 seconds in air

Maximum power rating 10 - 15 mW (at 25 °C)

