



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	B value:	3100K - 4665K
R₂₅ :		Determined by rated zero-power resistance at 25 °C and 85 °C	
Rated Zero-power resistance value at 25 °C	1,000 ohms 2,000 ohms 5,000 ohms 10,000 ohms 20,000 ohms 47,000 ohms	R/T curve	HAT series thermistors are available in all R/T curve materials. Detailed curve information on pages 22-24.
Tolerances	$\pm 1\%$, $\pm 3\%$, $\pm 5\%$	Tolerances	$\pm 1\%$
		Dissipation constant	2 mW/ °C
		Thermal time constant	Typically 3 seconds in air
		Maximum power rating	10 - 15 mW (at 25 °C)

Ordering Map

HAT 1 0 3 - - -

