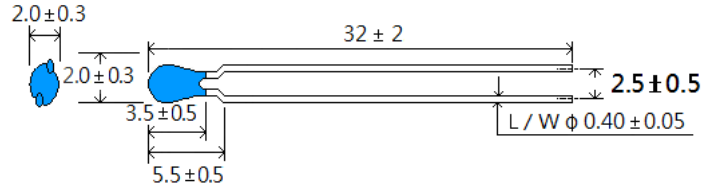


# UHT Series



- Low cost, high stability.
- The UHT series thermistors is a high-performance thermal sensing device.
- Excellent thermal cycle endurance and they 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.
- No adjust between the control circuit and the sensor.
- They are also useful for insert to PCB in the constant length.

## SPECIFICATIONS

**Temperature rating** -40°C to 125°C

**B value :** 3325K ~ 4750K

**Determined by rated zero-power**

**Resistance at 25°C and 85°C**

**R25**

**Rated zero-power** 2 K ohms  
5 K ohms  
**Resistance value at 25°C** 10 K ohms  
30 K ohms  
47 K ohms  
50 K ohms  
100 K ohms  
470 K ohms

**Tolerance**  $\pm 0.5\%$   $\pm 1\%$   $\pm 3\%$   $\pm 5\%$

**Dissipation constant** 2mW/°C

**Thermal time constant** Typically 15 seconds in air.

**Maximum power Rating** 10-15 mw at 25°C

**Tolerance**  $\pm 0.5\%$   $\pm 1\%$   $\pm 3\%$   $\pm 5\%$

**Order Map** UHT - 103 □ - □□□□

Series Code Res. value Res. Tolerance B value

Temperature Sensor at 25°C 10 x 3 Ω  
D :  $\pm 0.5\%$   
F :  $\pm 1\%$   
H :  $\pm 3\%$   
J :  $\pm 5\%$