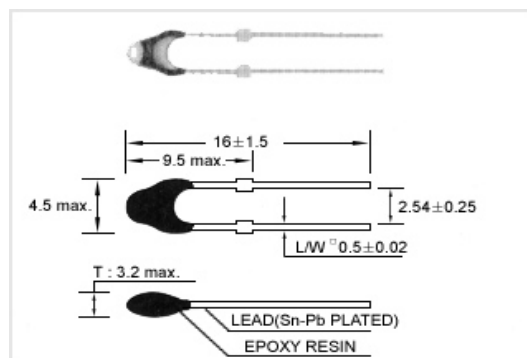


MLHAT Series



FEATURES:

- Low cost, high stability.
- The MLHAT series thermistors is a high-performance thermal sensing device.
- They insure temperature precision of $\pm 0.3 \text{ }^\circ\text{C}$ and can be employed for very accurate temperature control or compensation.
- Excellent thermal cycle endurance and they small B-value tolerance and resistance.
- 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 : 3250K ~ 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

15 K ohms

20 K ohms

50 K ohms

500 K ohms

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

Dissipation constant $2 \text{ mW}/^\circ\text{C}$

Thermal time constant Typically 15 seconds in air.

Maximum power Rating 10-15 mw at 25°C

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

Order Map ML HAT 103 F - □□□□

Series Code

ML

Sensor

Type

HAT

thermistor

Res. value
at 25°C

$10 \times 1000 \text{ } \Omega$

Res. Tolerance

F: 1%

H: 3%

J: 5%

B value

$25^\circ\text{C}/85^\circ\text{C}$