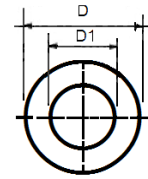
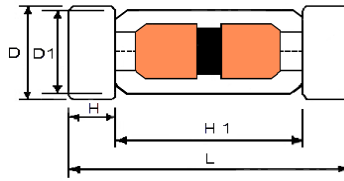


# UDS Series



## FEATURES:

- High stability and best price.
- The **UDS** Series is a thermistor sensor in a DO 35 SMD Diode package. It is highly reliable and offer a wide operating range of  $-50^{\circ}\text{C}$  to  $250^{\circ}\text{C}$ .
- Excellent thermal cycle endurance.
- They can be employed for home electric appliances and high temperature applications.
- Glass sealed body for high reliability.

## SPECIFICATIONS

**Temperature rating**  $-40^{\circ}\text{C}$  to  $200^{\circ}\text{C}$

**B value :** 3470K ~4450K

**Determined by rated zero-power**

**R25**

**B25/85**

**Resistance at  $25^{\circ}\text{C}$  and  $85^{\circ}\text{C}$**

**Rated zero-power**

**Resistance value at  $25^{\circ}\text{C}$**

5 K ohms  
10 K ohms  
47 K ohms  
50 K ohms  
100 K ohms  
150 K ohms  
220 K ohms  
474 K ohms  
1 M K ohms

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

**Dissipation constant** Min.  $2.4\text{mW}/^{\circ}\text{C}$

**Thermal time constant** Max 15 seconds in still air.

**Maximum power Rating** 250mw at  $25^{\circ}\text{C}$

**Tolerance**  $\pm 1\%$   $\pm 2\%$   $\pm 3\%$

**Order Map** U

DS

103



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**Series Code**  
Unix Tech  
Sensor

**Type**  
SMD Diode  
thermistor

**Res .value**  
at  $25^{\circ}\text{C}$   
 $10 \times 3 \Omega$

**Res. tolerance**  
F : 1%  
H : 3%  
J : 5%

**B value**  
 $25^{\circ}\text{C}/85^{\circ}\text{C}$