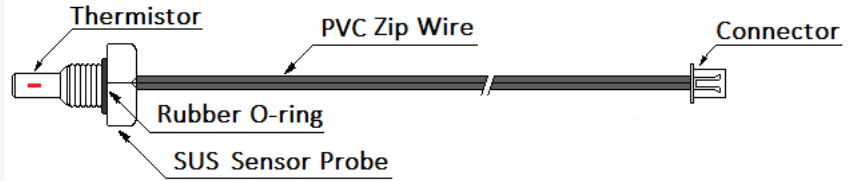


USC Series



FEATURES

- High stability and best price.
- The **USC** Series thermistors is a thermistor sensor in a DO 35 package. It is highly reliable and offer a wide operating range of -50°C to 250°C .
- They can be employed for home electric appliances and high temperature applications.
- Excellent thermal cycle endurance.
- Glass sealed body for high reliability.

SPECIFICATIONS

Temperature rating -40°C to 250°C

B value : 3470K ~4200K

Determined by rated zero-power

Resistance at 25°C and 85°C

R25

Rated zero-power 3 K ohms
5 K ohms

Resistance value at 25°C 10 K ohms
50 K ohms
100 K ohms
150 K ohms
200 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°C

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

Order Map USC - 103 - -

Series Code	Res. value	Res. Tolerance	Leads Gauge	Lengths	B value
Temperature Sensor	at 25°C thermistor 10 x 3 Ω	F : 1% H : 3% J : 5%	AWG Number	Exp; 400: 400 mm	$25^{\circ}\text{C}/85^{\circ}\text{C}$