

# USUR1000 Series UL Recognized Ring Lug Thermistor Assembly



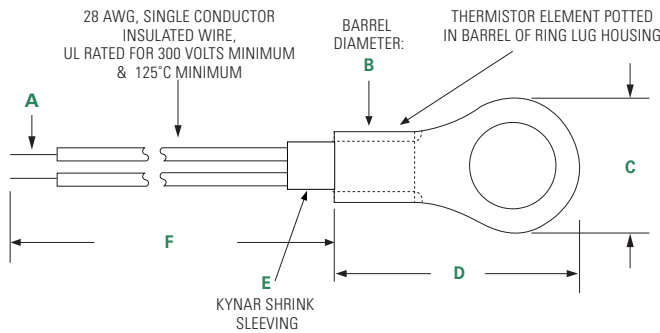
## Description

Littelfuse UL Recognized ring lug thermistor probe assemblies are manufacturing using super stable NTC chips which are potted into a ring lug housing with thermally conductive epoxy. Designed for rapid thermal response and excellent long-term stability, these devices can be used in a wide range of surface temperature sensing applications.

## Features

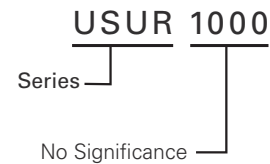
- Insulated lead wire rated for 300V minimum
- User selectable lead length
- Ring tongue mounting hole diameter 0.145" nominal
- Ring tongue mounting hole stud size #6

## Dimensions



Dim "L" is the MIN lead wire length, and is specified by the last two digits of the part number (USUR1000-xxx-xx) e.g. USUR1000-102G-03 would have a MIN lead wire length of 3"

## Part Numbering System



**Note:** Not all combinations of Part Number codes are available. Contact Littelfuse for details.

Dimensions in inches.

A	B	C
0.250" ± 0.070" Strip	0.215" ± 0.020"	0.280" ± 0.025"

D	E	F
0.615" ± 0.025"	0.400" ± 0.250" Long	Dim. "L" Min.

## USUR1000 Series UL Recognized Ring Lug Thermistor Assembly

### Specifications

Part Number	Resistance Ohms @25°C	Resistance Tol. ± % @ 25°C	R-T Curve	Beta (K) 0-50°C	Max Power Rating (mW)	Temperature Rating (°C)
USUR1000-102G	1000	2	J	3892	20	-40 to +125
USUR1000-102H	1000	3	J	3892	20	-40 to +125
USUR1000-102J	1000	5	J	3892	20	-40 to +125
USUR1000-102K	1000	10	J	3892	20	-40 to +125
USUR1000-222G	2252	2	J	3892	20	-40 to +125
USUR1000-222H	2252	3	J	3892	20	-40 to +125
USUR1000-222J	2252	5	J	3892	20	-40 to +125
USUR1000-222K	2252	10	J	3892	20	-40 to +125
USUR1000-302G	3000	2	J	3892	20	-40 to +125
USUR1000-302H	3000	3	J	3892	20	-40 to +125
USUR1000-302J	3000	5	J	3892	20	-40 to +125
USUR1000-302K	3000	10	J	3892	20	-40 to +125
USUR1000-502G	5000	2	J	3892	20	-40 to +125
USUR1000-502H	5000	3	J	3892	20	-40 to +125
USUR1000-502J	5000	5	J	3892	20	-40 to +125
USUR1000-502K	5000	10	J	3892	20	-40 to +125
USUR1000-103G	10000	2	J	3892	20	-40 to +125
USUR1000-103H	10000	3	J	3892	20	-40 to +125
USUR1000-103J	10000	5	J	3892	20	-40 to +125
USUR1000-103K	10000	10	J	3892	20	-40 to +125

### USUR1000 Series UL Recognized Ring Lug Thermistor Assembly

#### Specifications

Part Number	Resistance Ohms @25°C	Resistance Tol. ± % @ 25°C	R-T Curve	Beta (K) 0-50°C	Max Power Rating (mW)	Temperature Rating (°C)
USUR1000-203G	20000	2	J	3892	20	-40 to +125
USUR1000-203H	20000	3	J	3892	20	-40 to +125
USUR1000-203J	20000	5	J	3892	20	-40 to +125
USUR1000-203K	20000	10	J	3892	20	-40 to +125
USUR1000-303G	30000	2	J	3892	20	-40 to +125
USUR1000-303H	30000	3	J	3892	20	-40 to +125
USUR1000-303J	30000	5	J	3892	20	-40 to +125
USUR1000-303K	30000	10	J	3892	20	-40 to +125
USUR1000-503G	50000	2	J	3892	20	-40 to +125
USUR1000-503H	50000	3	J	3892	20	-40 to +125
USUR1000-503J	50000	5	J	3892	20	-40 to +125
USUR1000-503K	50000	10	J	3892	20	-40 to +125
USUR1000-104G	100000	2	J	3892	20	-40 to +125
USUR1000-104H	100000	3	J	3892	20	-40 to +125
USUR1000-104J	100000	5	J	3892	20	-40 to +125
USUR1000-104K	100000	10	J	3892	20	-40 to +125

**Disclaimer Notice** - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at: [www.littelfuse.com/disclaimer-electronics](http://www.littelfuse.com/disclaimer-electronics)