

# USUR1000 Series UL Recognized Ring Lug Thermistor Assembly



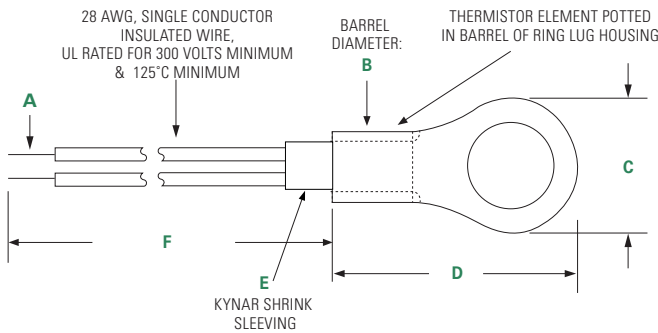
## Description

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



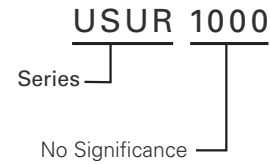
Dim "L" is the MIN lead wire length, and is specified by the last two digits of the part number (USUR1000-xxx-xx) e.g. USUR1000-102G-03 would have a MIN lead wire length of 3"

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.

## Part Numbering System



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

## 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

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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

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