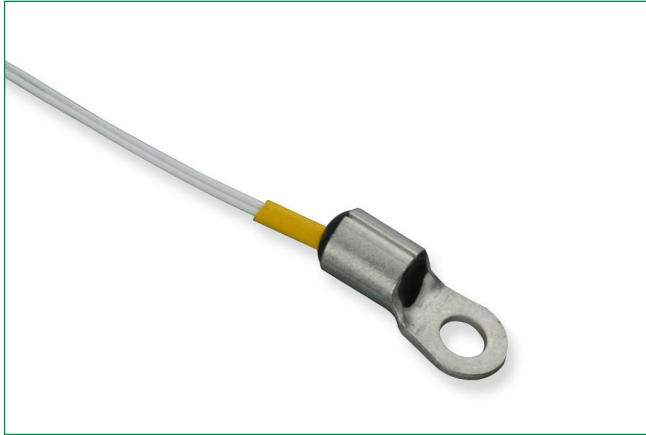


USUR1000 Series UL Recognized Ring Lug Thermistor Assembly



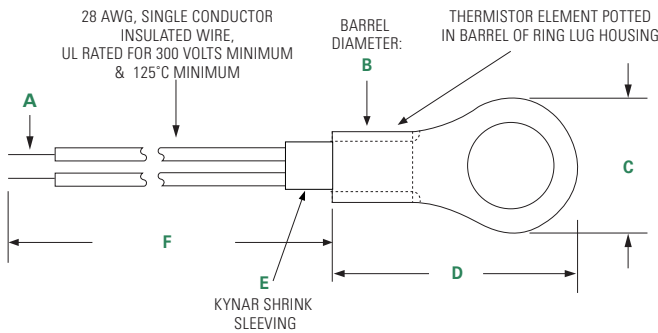
Description

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

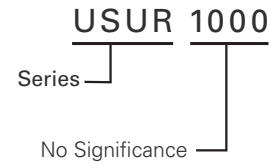
- Insulated lead wire rated for 300V minimum
- User selectable lead length
- Ring tongue mounting hole diameter 0.145" nominal
- Ring tongue mounting hole stud size #6

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 |

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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 |

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