



MODEL: CUSA-R80-130-3000-WC | DESCRIPTION: ULTRASONIC SENSOR

FEATURES

- aluminum housing
- receiver
- open type
- wire leads w/2-pin connector



SPECIFICATIONS

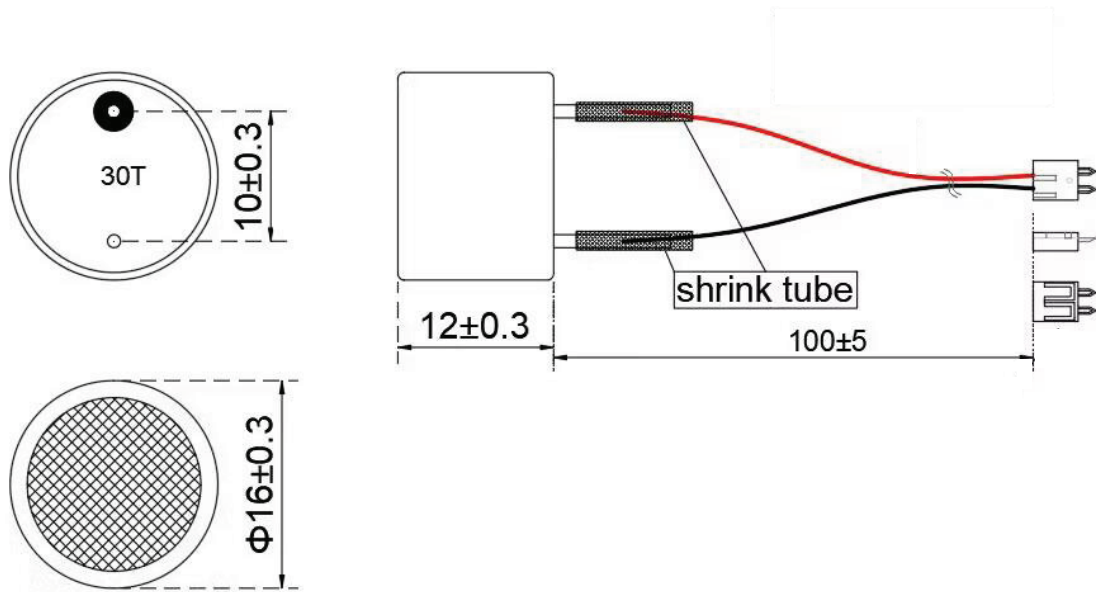
| parameter             | conditions/description    | min   | typ   | max   | units          |
|-----------------------|---------------------------|-------|-------|-------|----------------|
| type                  | receiver                  |       |       |       |                |
| operating voltage     |                           |       |       | 200   | Vp-p           |
| frequency             |                           | 28    | 29    | 30    | kHz            |
| sensitivity           |                           | -75   |       |       | dBV/ $\mu$ bar |
| directivity           | at -6 dB                  | 65    | 80    | 95    | degree         |
| capacitance           | at 1 kHz                  | 2,250 | 3,000 | 3,750 | pF             |
| detectable range      |                           | 0     |       | 13    | m              |
| dimensions            | $\varnothing$ 16 x 12     |       |       |       | mm             |
| material              | aluminum                  |       |       |       |                |
| terminal              | wire leads with connector |       |       |       |                |
| weight                |                           |       | 2.6   |       | g              |
| operating temperature |                           | -20   |       | 80    | $^{\circ}$ C   |
| storage temperature   |                           | -20   |       | 80    | $^{\circ}$ C   |
| RoHS                  | yes                       |       |       |       |                |

## MECHANICAL DRAWING

units: mm

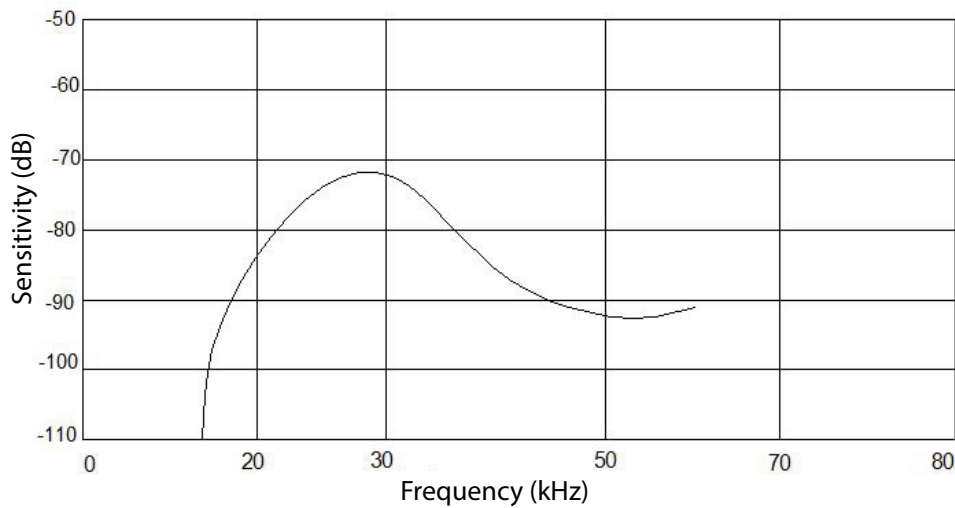
wire: UL1571, 30 AWG

connector: JAM JB20-02HG

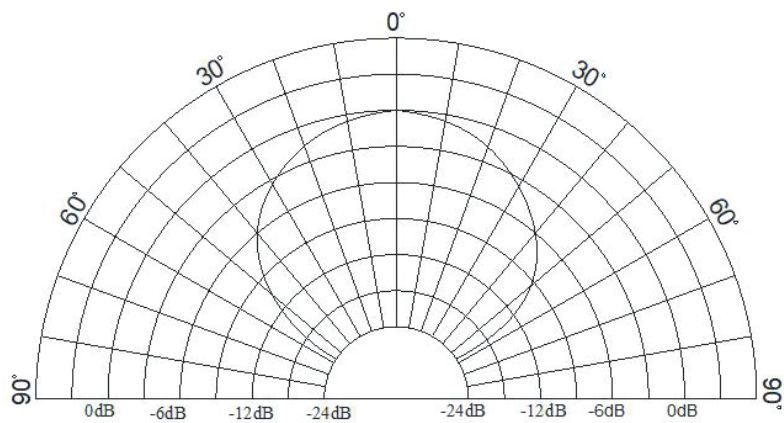


**BEAM PATTERNS**

**Sensitivity vs. Frequency**



**Directivity**



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 08/08/2024 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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