


**MODEL:** CUSA-TR11-010-1150-TH67 | **DESCRIPTION:** ULTRASONIC SENSOR

**FEATURES**

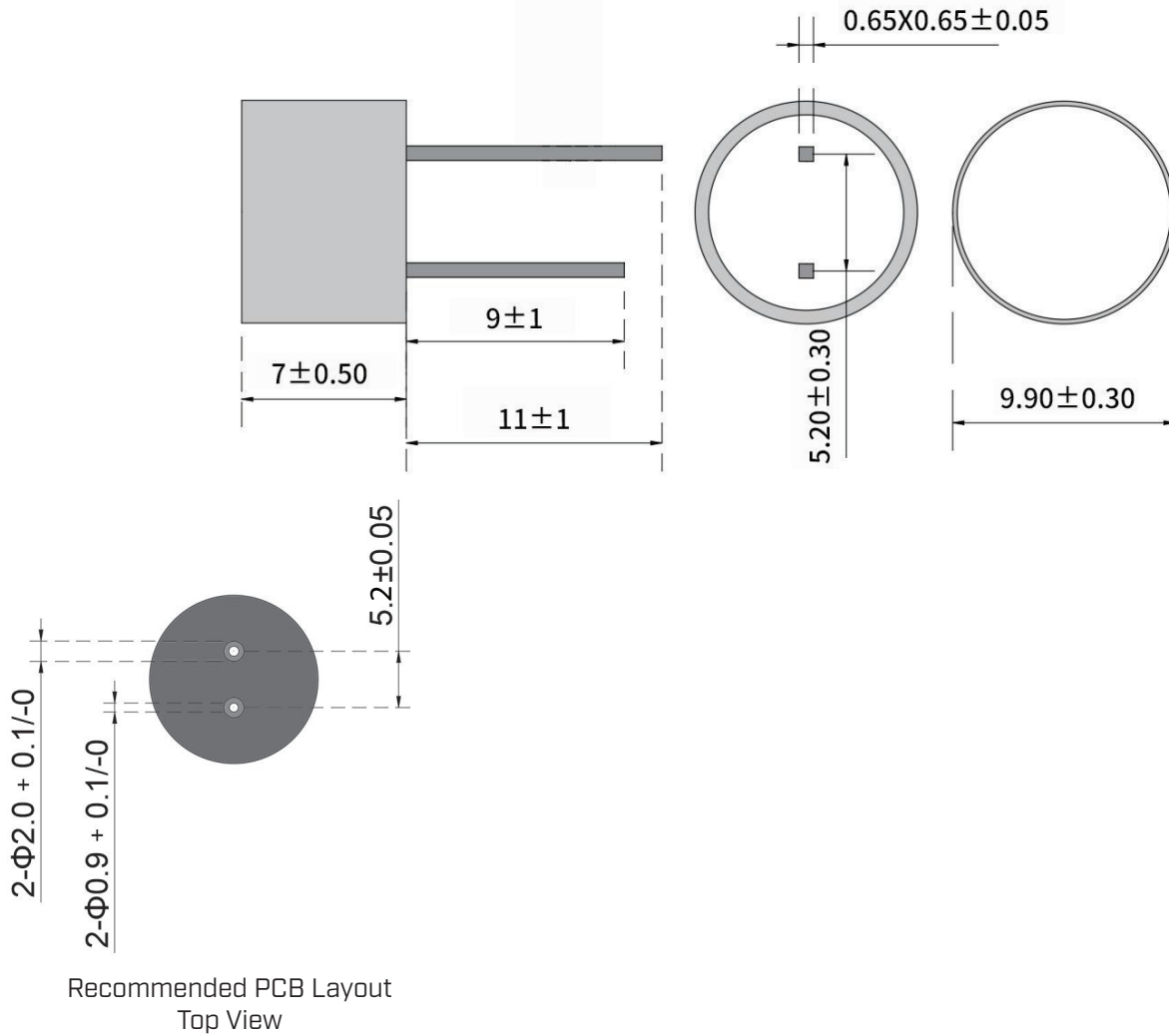
- aluminum housing
- combination unit receiver & transmitter
- IP67
- through hole


**SPECIFICATIONS**

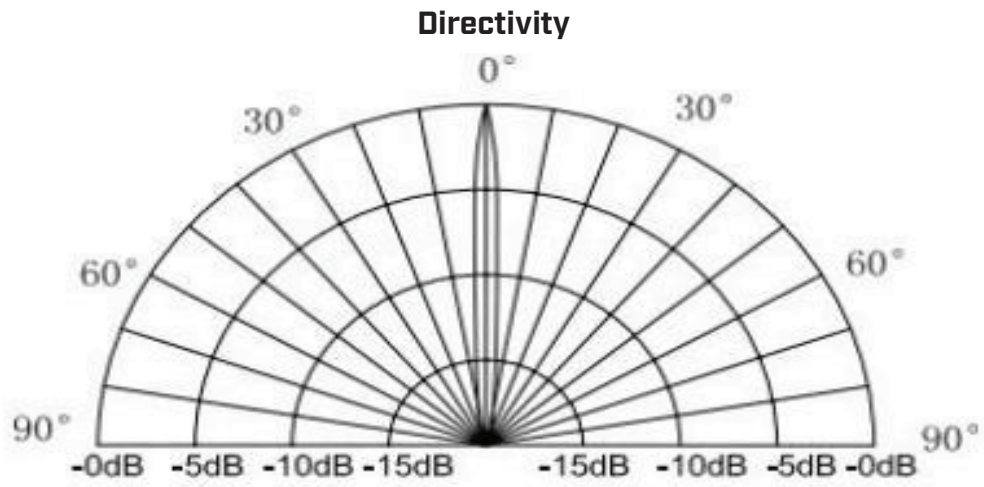
| parameter             | conditions/description                           | min   | typ   | max   | units              |
|-----------------------|--|-------|-------|-------|--------------------|
| type                  | receiver/transmitter                             |       |       |       |                    |
| operating voltage     |  |       |       | 100   | Vp-p               |
| frequency             |  | 270   | 300   | 330   | kHz                |
| echo sensitivity      | at 10 cm   | 1.5   |       |       | V                  |
| directivity           | at -6 dB   | 9     | 11    | 13    | degree             |
| capacitance           | at 1 kHz   | 920   | 1,150 | 1,380 | pF                 |
| detectable range      |  | 0.05  |       | 1     | m                  |
| response time         | at 10 Vp-p, 5 pulses, 300 kHz                    |       |       | 0.35  | ms                 |
| impedance             | at internal resistance 100 $\Omega$ , 1 kHz, 1 V | 1,120 | 1,400 | 1,680 | $\Omega$           |
| dimensions            | $\varnothing 9.9 \times 7.0$                     |       |       |       | mm                 |
| material              | aluminum   |       |       |       |                    |
| terminal              | pins   |       |       |       |                    |
| weight                |  |       | 1.3   |       | g                  |
| operating temperature |  | -20   |       | 60    | $^{\circ}\text{C}$ |
| storage temperature   |  | -20   |       | 70    | $^{\circ}\text{C}$ |
| RoHS                  | yes  |       |       |       |                    |
| IP level              | IP67   |       |       |       |                    |

## MECHANICAL DRAWING

units: mm



## BEAM PATTERNS



## PACKAGING

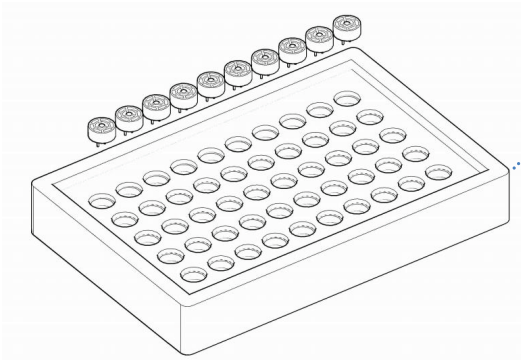
units: cm

Tray Size: 23.5 x 13.5 x 3 cm

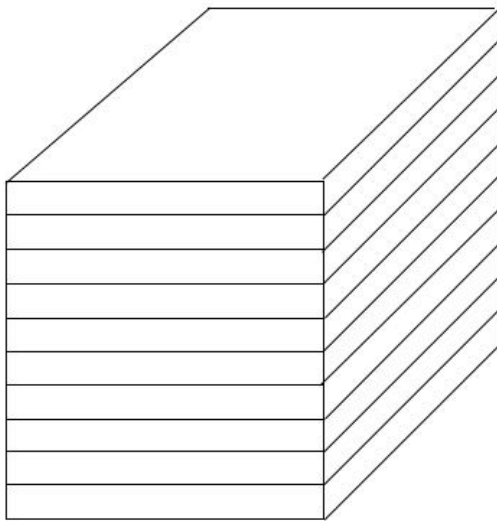
Tray QTY: 50 pcs per tray

Carton Size: 47.5 x 28.5 x 32 cm

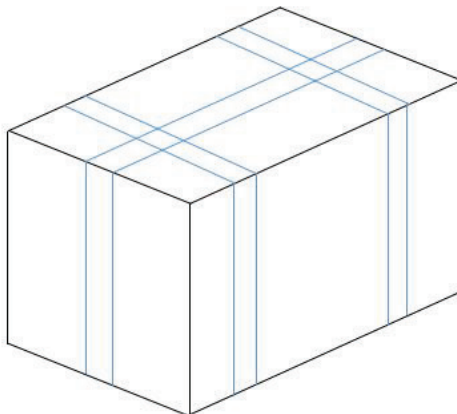
Carton QTY: 2,000 pcs per carton



50PCS/BOX  
BOX SIZE:23.5\*13.5\*3CM



10BOXES/STACK, TOTAL 500PCS  
STACK SIZE:23.5\*13.5\*27.5CM



2000PCS/CARTON  
CARTON SIZE:47.5\*28.5\*32CM

## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 08/09/2024 |
| 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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