CUI DEVICES



## **MODEL:** CUSA-R80-15-2500-TH | **DESCRIPTION:** ULTRASONIC SENSOR

### FEATURES

- aluminium can
- open type
- receiver
- sensitivity -75 dBV
- detectable range 15 meters



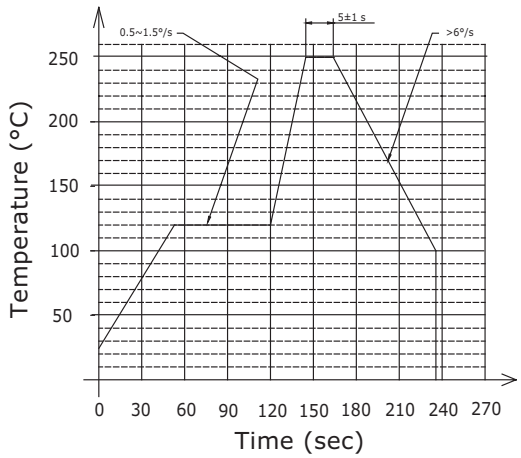
RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| type | receiver | | | | |
| operating voltage | at 39 kHz | | | 80 | Vp-p |
| frequency | | 38 | 39 | 40 | kHz |
| sensitivity | | -75 | | | dBV/µMbar |
| directivity | | | 80 | | degree |
| capacitance | at 1 kHz | 1,875 | 2,500 | 3,125 | pF |
| detectable range | | 0.2 | | 15 | m |
| dimensions | Ø9.8 x 7.0 | | | | mm |
| material | aluminum | | | | |
| terminal | pins (iron with tin plating) | | | | |
| weight | | | 0.74 | | g |
| operating temperature | | -20 | | 80 | °C |
| RoHS | yes | | | | |

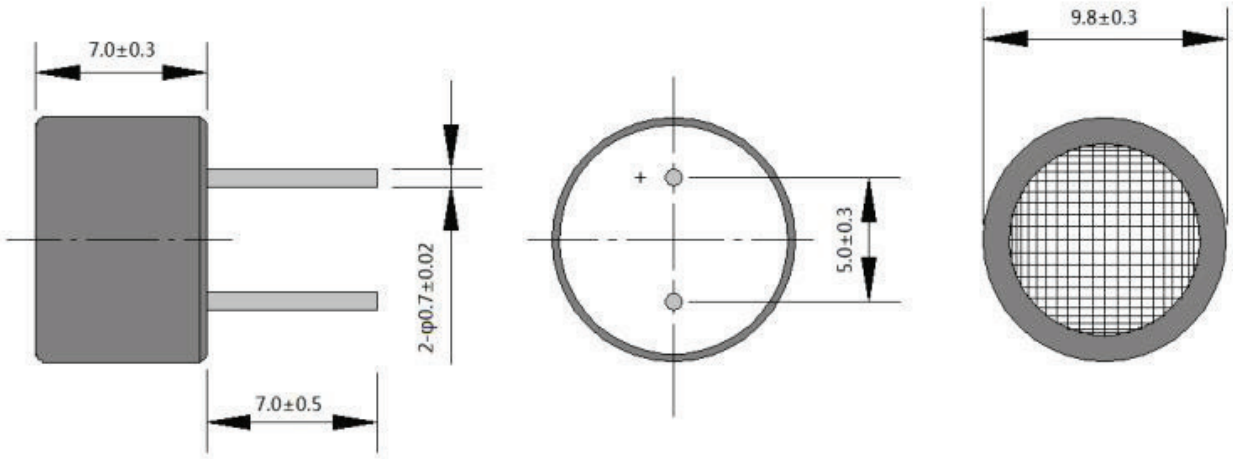
## SOLDERABILITY

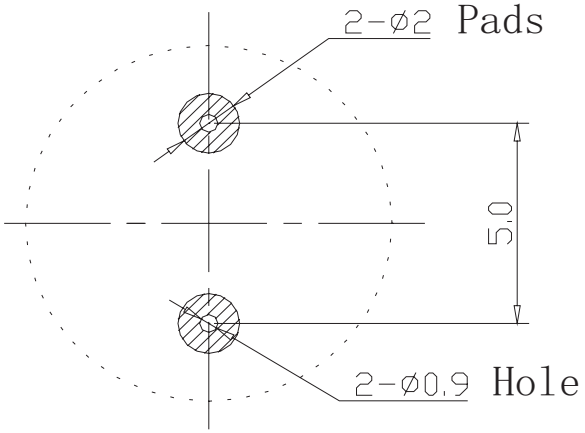
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | | | | 250 | °C |



## MECHANICAL DRAWING

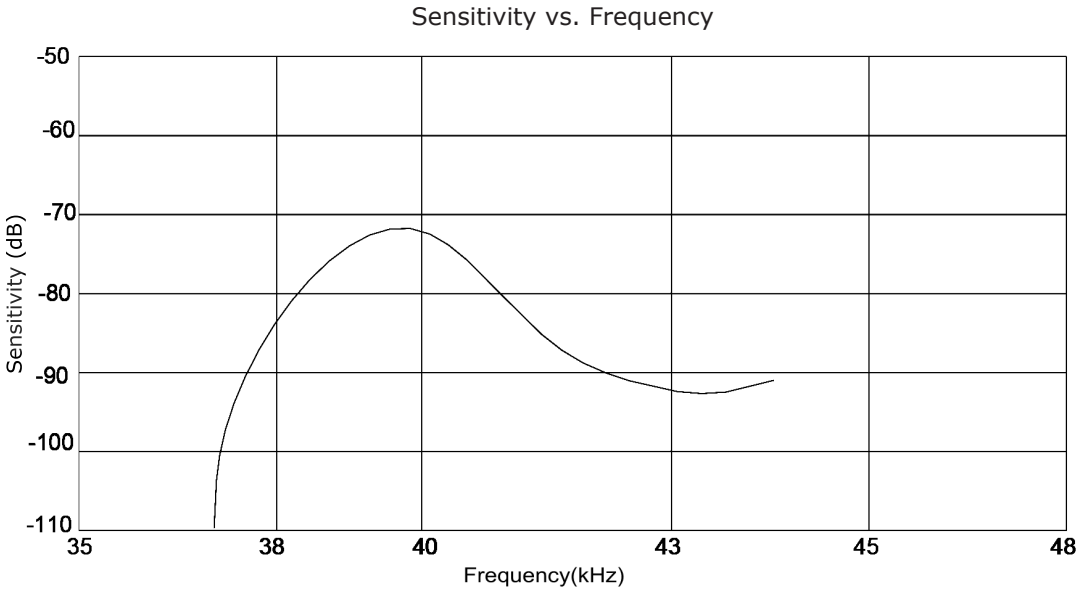
units: mm

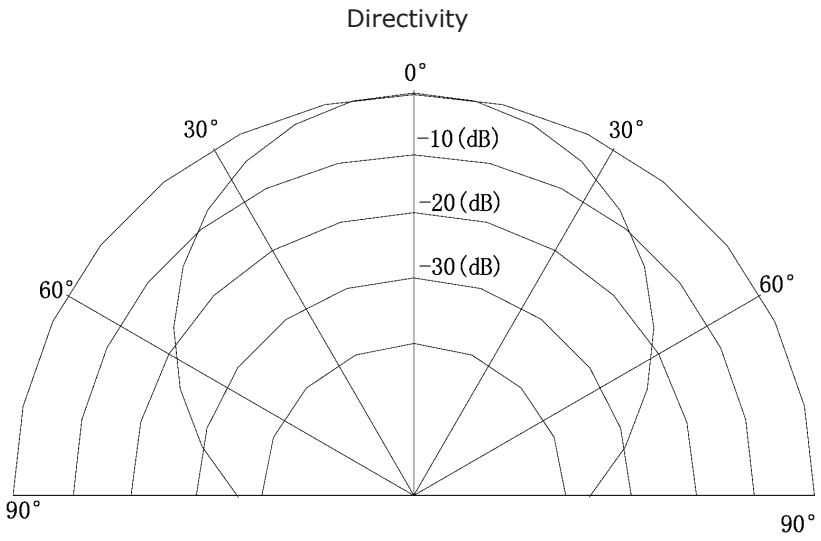



Recommended PCB Layout
Top View

## BEAM PATTERNS

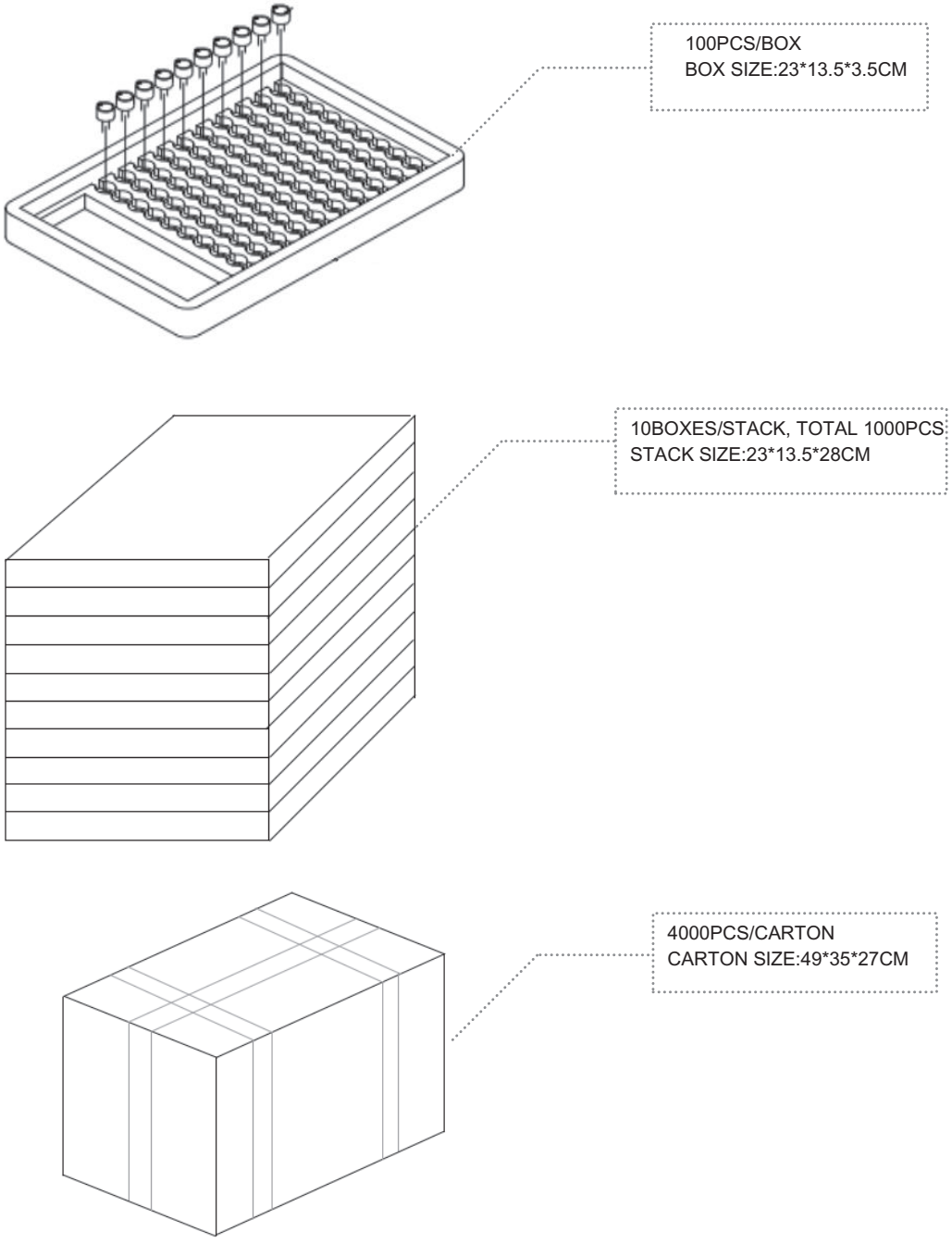


## PACKAGING

units: mm

Tray Size: 230 x 135 x 35 mm
Tray QTY: 100 pcs per tray
Carton Size: 490 x 350 x 270 mm
Carton QTY: 4,000 pcs per carton



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 12/02/2020 |

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

CUI DEVICES

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

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