CUI DEVICES



## **MODEL:** CUSA-T80-12-2600-TH | **DESCRIPTION:** ULTRASONIC SENSOR

### FEATURES

- aluminium can
- open type
- transmitter
- SPL 115 dB
- detectable range 12 meters



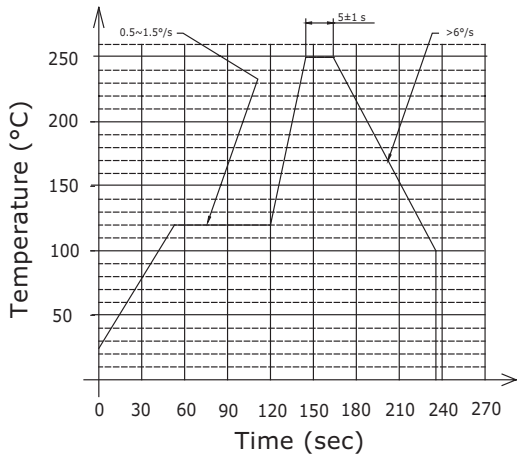
RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| type | transmitter | | | | |
| operating voltage | at 25 kHz | | | 180 | Vp-p |
| frequency | | 24 | 25 | 26 | kHz |
| sound pressure level | at 10 V, 30 cm, sine wave | 115 | | | dB |
| directivity | | | 80 | | degree |
| capacitance | at 1 kHz | 2,080 | 2,600 | 3,120 | pF |
| detectable range | | 0.2 | | 12 | m |
| dimensions | Ø16.0 x 12.0 | | | | mm |
| material | aluminum | | | | |
| terminal | pins (iron with tin plating) | | | | |
| weight | | | 2.31 | | g |
| operating temperature | | -30 | | 85 | °C |
| RoHS | yes | | | | |

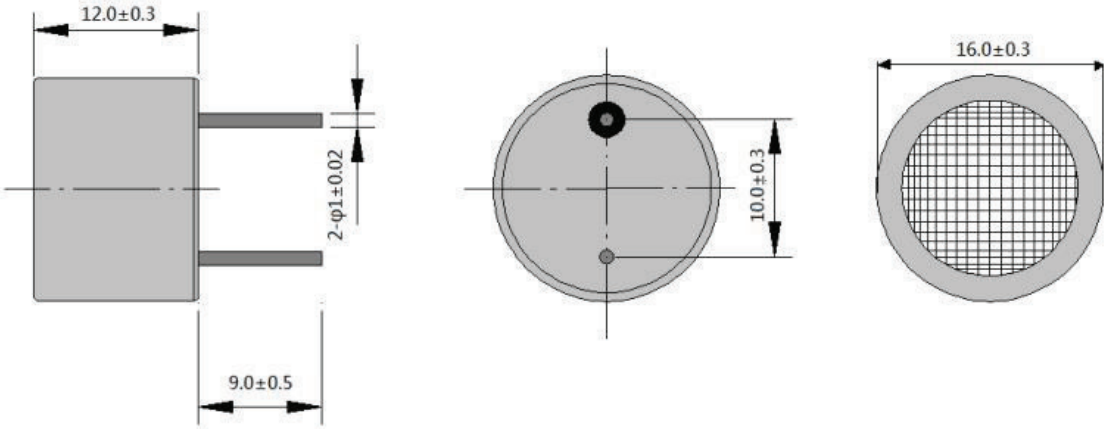
## SOLDERABILITY

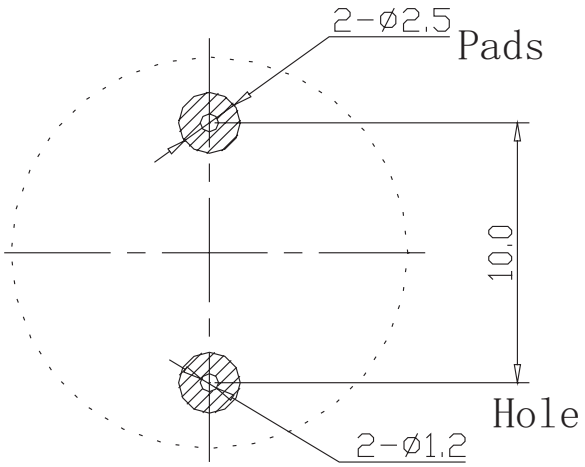
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| wave soldering | | | | 250 | °C |



## MECHANICAL DRAWING

units: mm

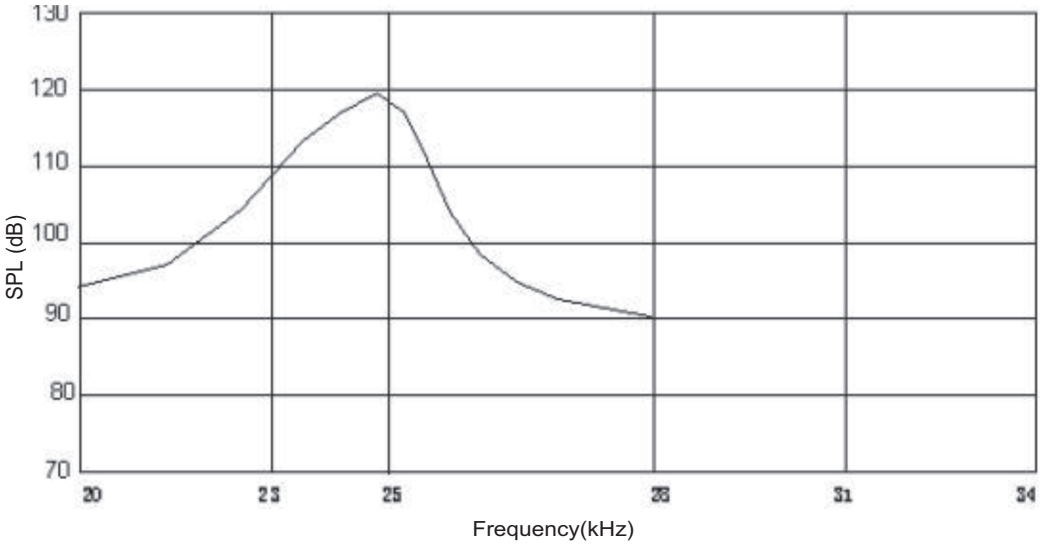


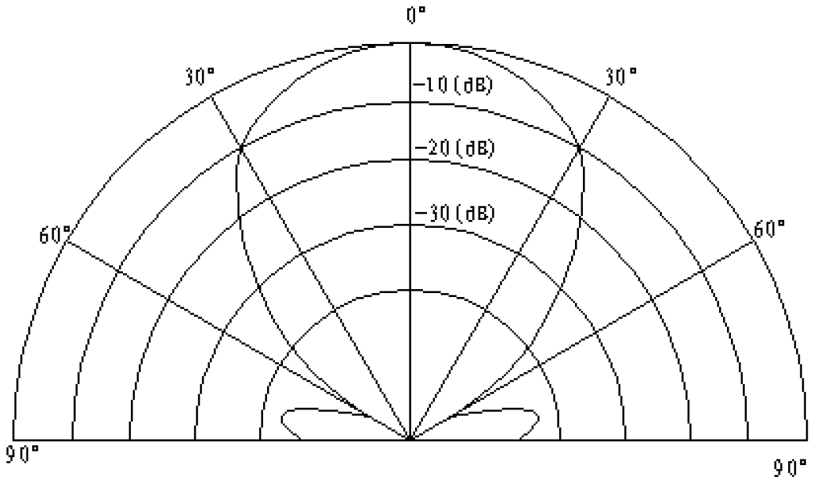

Recommended PCB Layout
Top View

## BEAM PATTERNS

SPL vs. Frequency



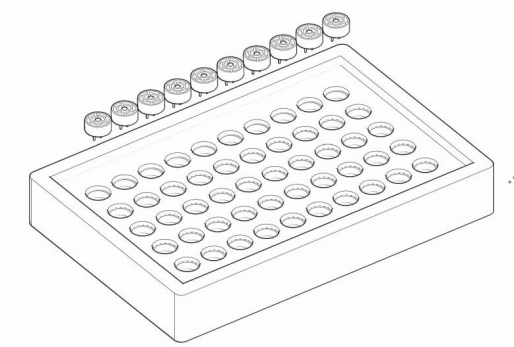

Directivity



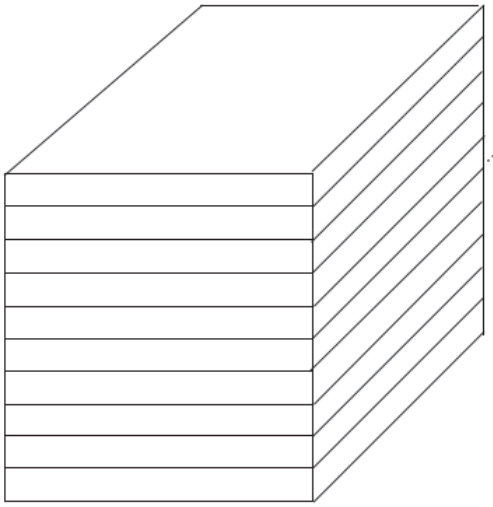
## PACKAGING

units: mm

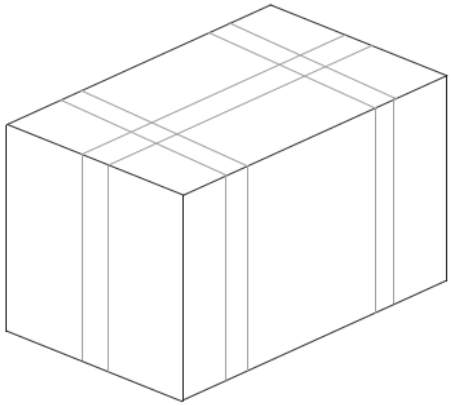
Tray Size: 240 x 160 x 30 mm
Tray QTY: 50 pcs per tray
Carton Size: 480 x 280 x 320 mm
Carton QTY: 2,000 pcs per carton



50PCS/BOX
BOX SIZE:24*16*3CM



10BOXES/STACK, TOTAL 500PCS
STACK SIZE:24*16*24CM



2000PCS/CARTON
CARTON SIZE:48*28*32CM

## 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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