CUI Devices is now Same Sky! Learn More



# MODEL: CMT-1271-88-SMT-TR | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

## FEATURES

- surface mount
- SPL 88 dB
- magnetic
- externally driven

RoHS

## SPECIFICATIONS

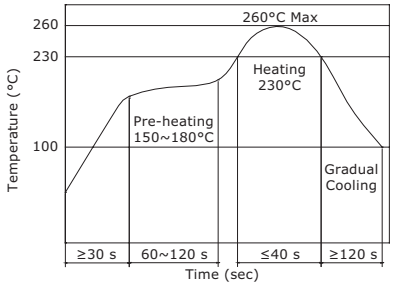
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage | Vo-p 0V | | 5.0 | | Vo-p |
| operating voltage | | 3.0 | | 7.0 | Vo-p |
| current consumption | at rated voltage, 2,400 Hz, ½ duty square wave | | | 40 | mA |
| rated frequency | | | 2,400 | | Hz |
| sound pressure level | at 10 cm, rated voltage, 2,400 Hz, ½ duty square wave | 88 | | | dB |
| coil resistance | | 40 | 45 | 50 | Ω |
| dimensions | 12.8 x 12.8 x 7.1 | | | | mm |
| weight | | | 2.0 | | g |
| material | PPS | | | | |
| terminal | surface mount (brass) | | | | |
| operating temperature | | -40 | | 85 | °C |
| storage temperature | | -40 | | 85 | °C |
| washable | yes | | | | |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 25±3°C, humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

## SOLDERABILITY

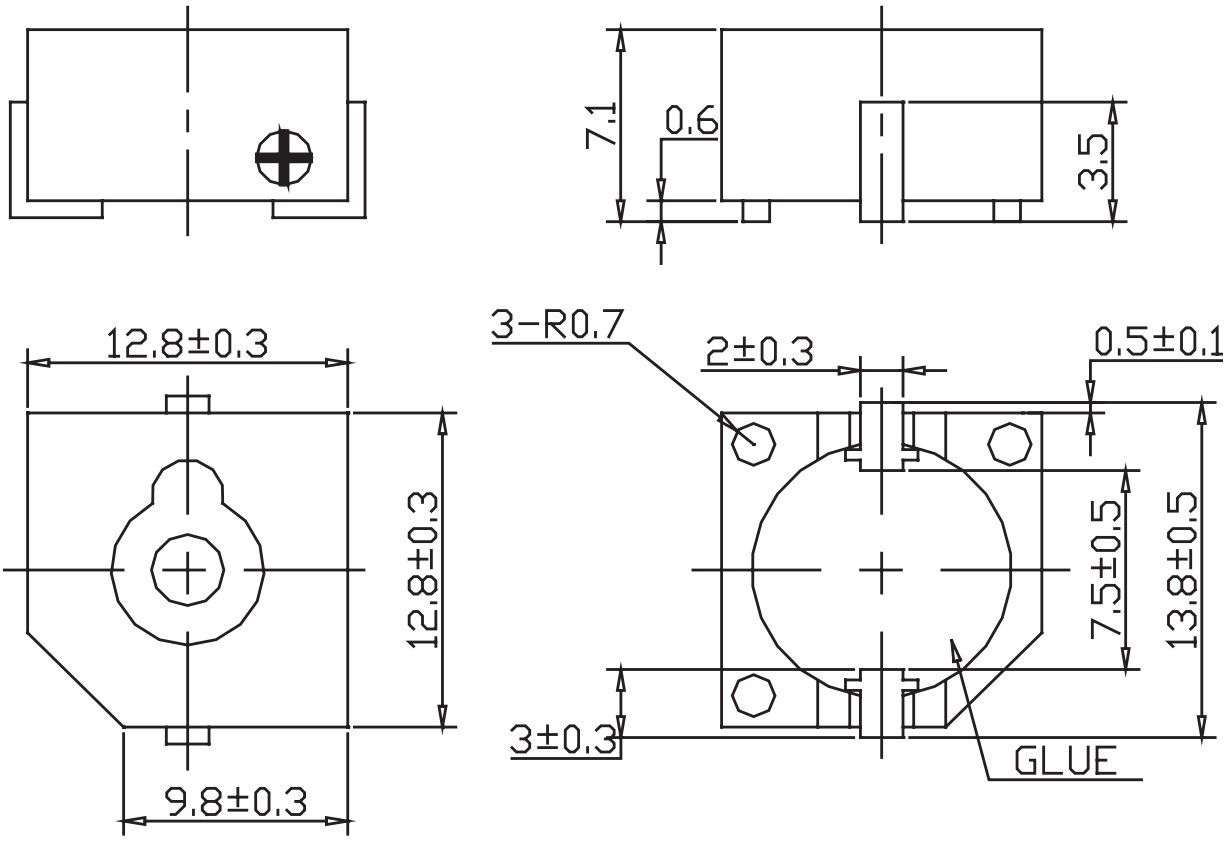
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | at relative humidity <60% | | | 25 | °C |
| reflow soldering[2] | see recommended reflow soldering profile | | | 260 | °C |
| drying conditions[3] | bake at 40°C for 24 hours | | | | |

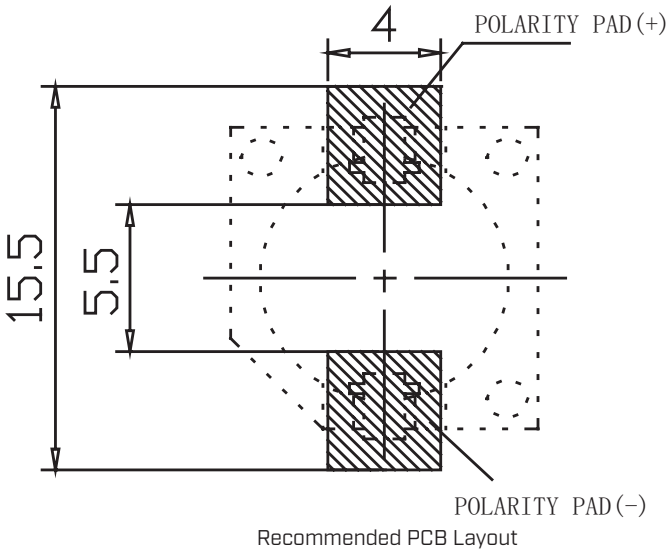
Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.



## MECHANICAL DRAWING

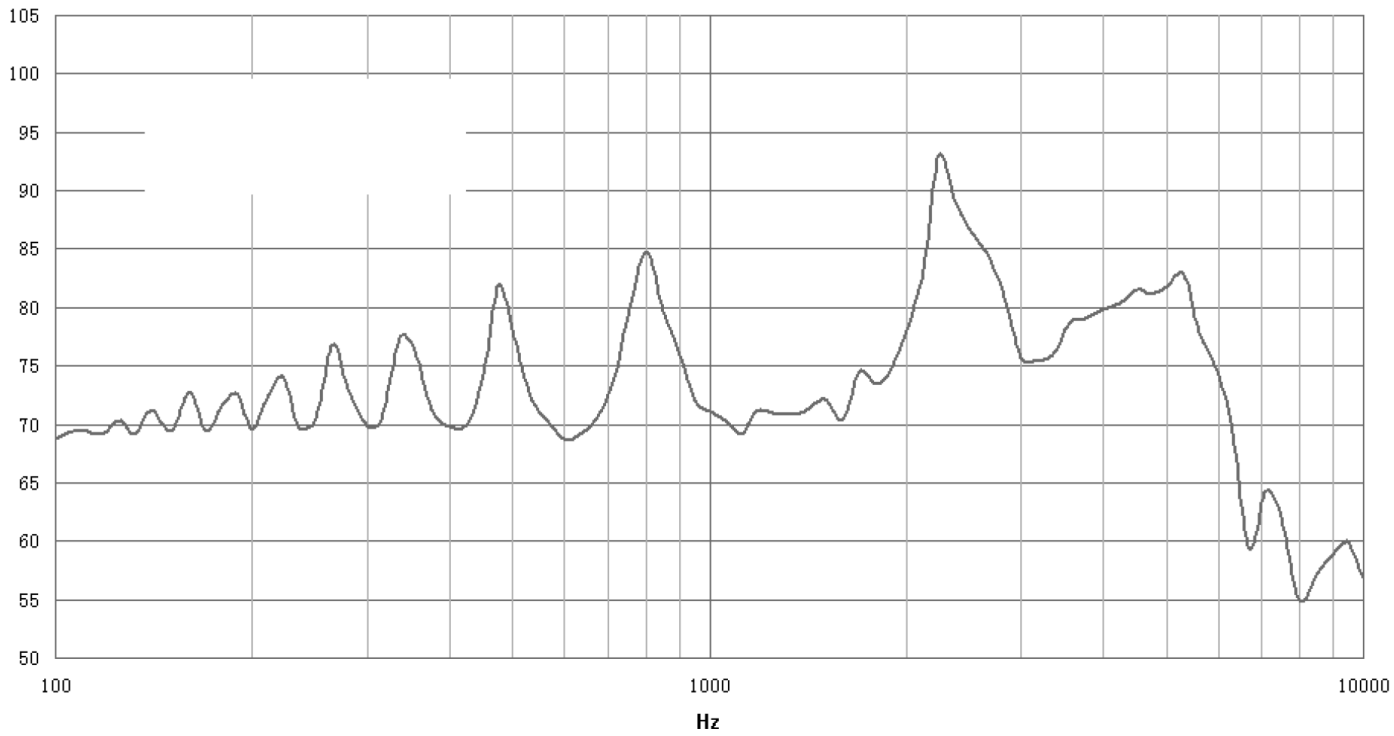
units: mm
tolerance: ±0.5 mm



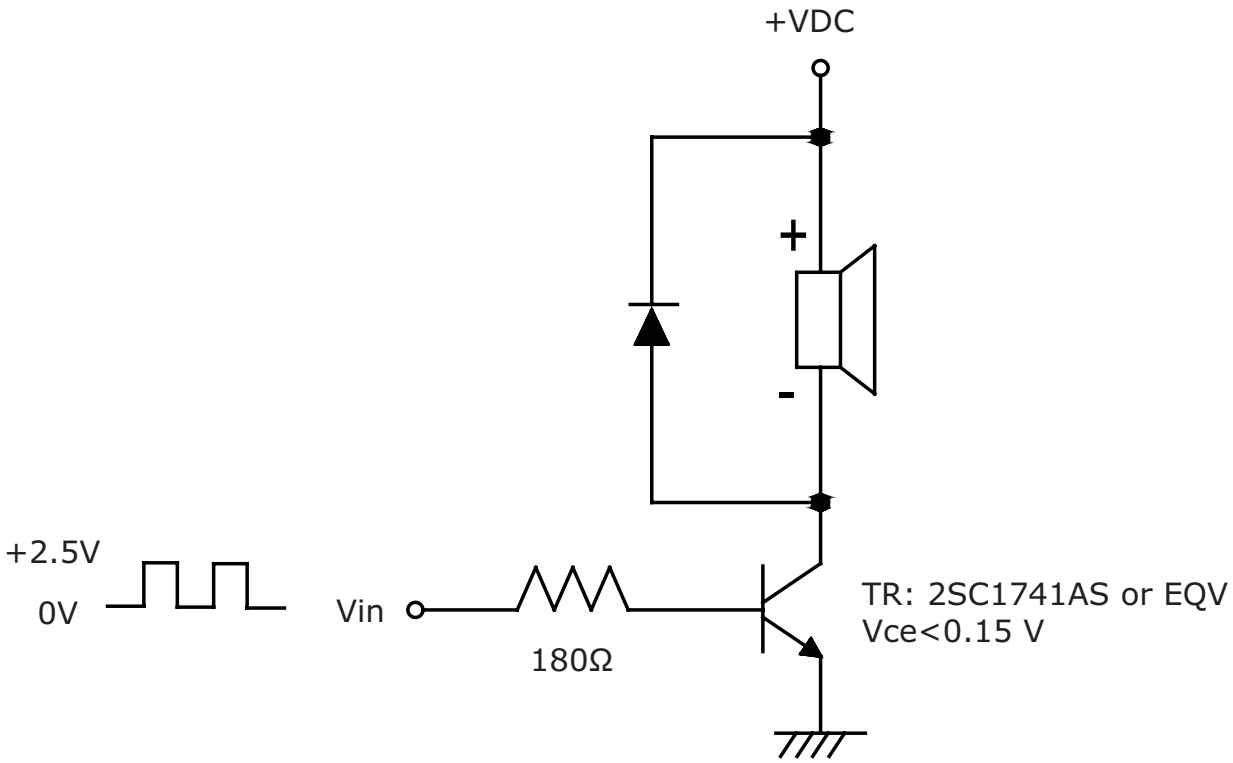




Recommended PCB Layout
Top View

## FREQUENCY RESPONSE CURVE



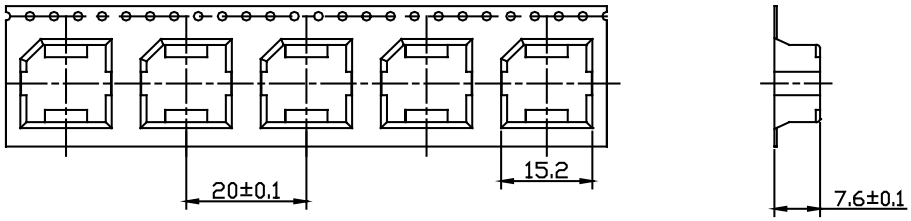

## APPLICATION CIRCUIT

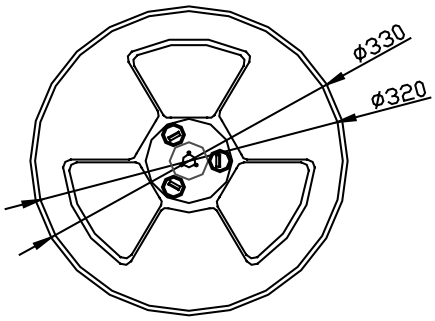


## PACKAGING

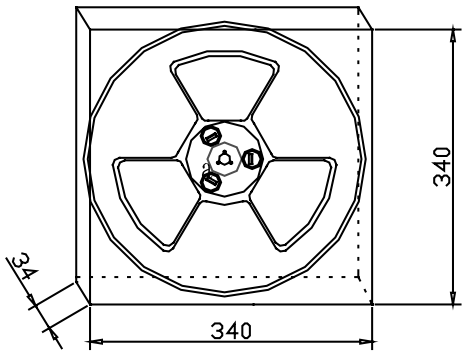
units: mm

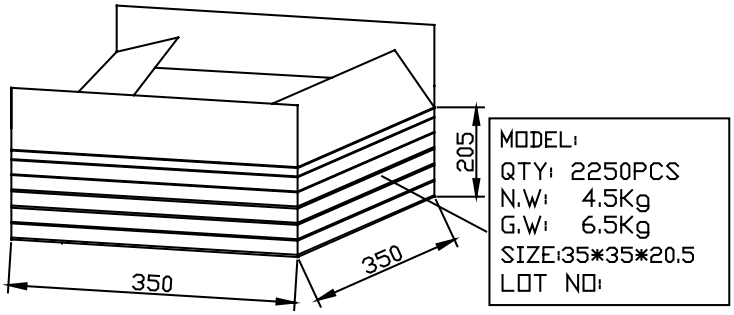
Reel Size: Ø330 mm
Reel QTY: 450 pcs per reel
Carton Size: 350 x 350 x 205 mm
Carton QTY: 2,250 pcs per carton




450PCS



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 01/22/2020 |
| 1.01 | logo, datasheet style update | 08/05/2022 |
| 1.02 | CUI Devices rebranded to Same Sky | 09/11/2024 |

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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