CUI Devices is now Same Sky! Learn More



# MODEL: CEM-14R06CT | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

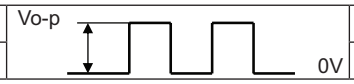
## FEATURES

- through hole
- 1.5 V rated
- externally driven




RoHS

## SPECIFICATIONS

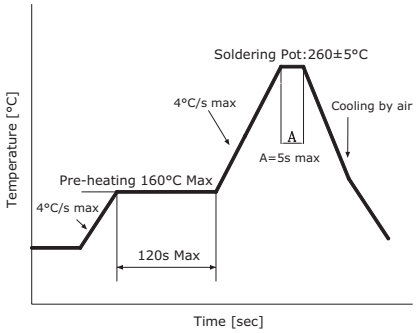
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage |  | | 1.5 | | Vo-p |
| operating voltage | | 1.0 | | 1.7 | Vo-p |
| current consumption | at rated voltage, 2,800 Hz square wave, ½ duty | | | 40 | mA |
| rated frequency | | | 2,800 | | Hz |
| sound pressure level | at 10 cm (A-weight), rated voltage, 2,800 Hz square wave, ½ duty | 85 | 91 | | dBA |
| coil resistance | | 13.6 | 16.0 | 18.4 | Ω |
| dimensions | Ø12.0 x 10.0 | | | | mm |
| weight | | | 1.6 | | g |
| material | PBT(black) | | | | |
| terminal | pin type (Au plating) | | | | |
| operating temperature | | -30 | | 70 | °C |
| storage temperature | | -40 | | 85 | °C |
| washable | yes | | | | |
| RoHS | yes | | | | |



Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

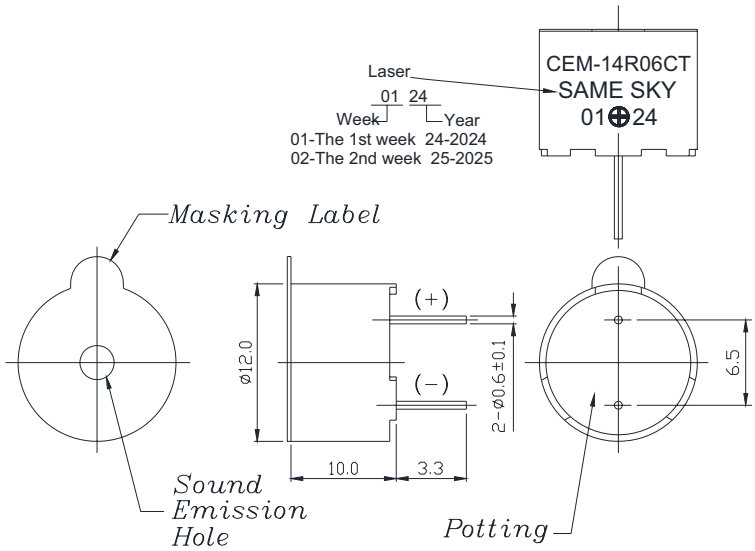
## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for maximum 2 seconds | 330 | | 380 | °C |
| wave soldering | see wave solder profile | 255 | 260 | 265 | °C |

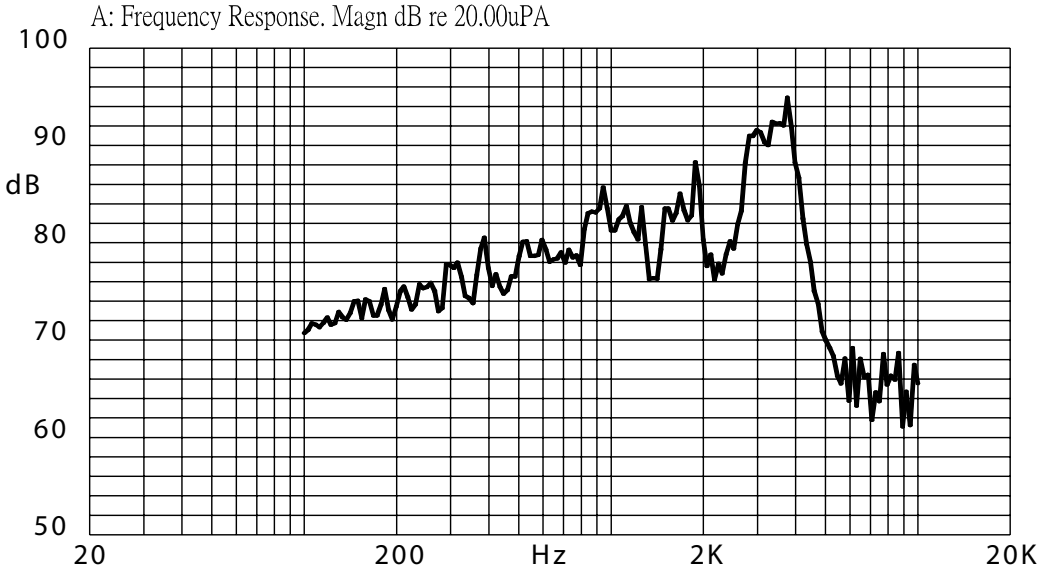


## MECHANICAL DRAWING

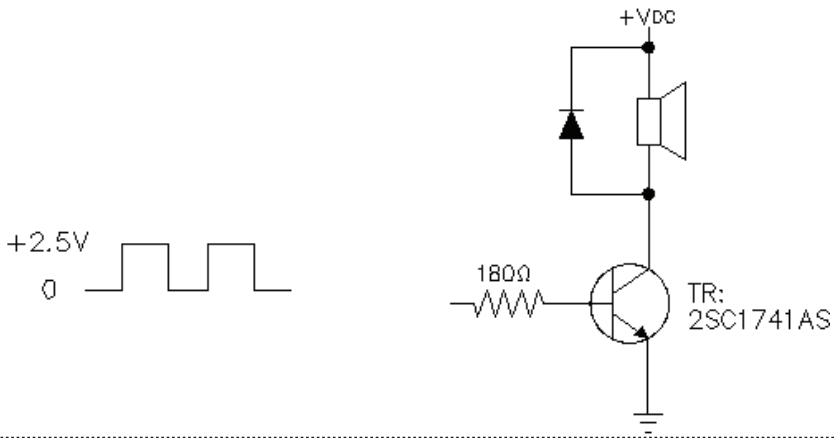
units: mm
tolerance: ±0.5 mm




## FREQUENCY RESPONSE CURVE



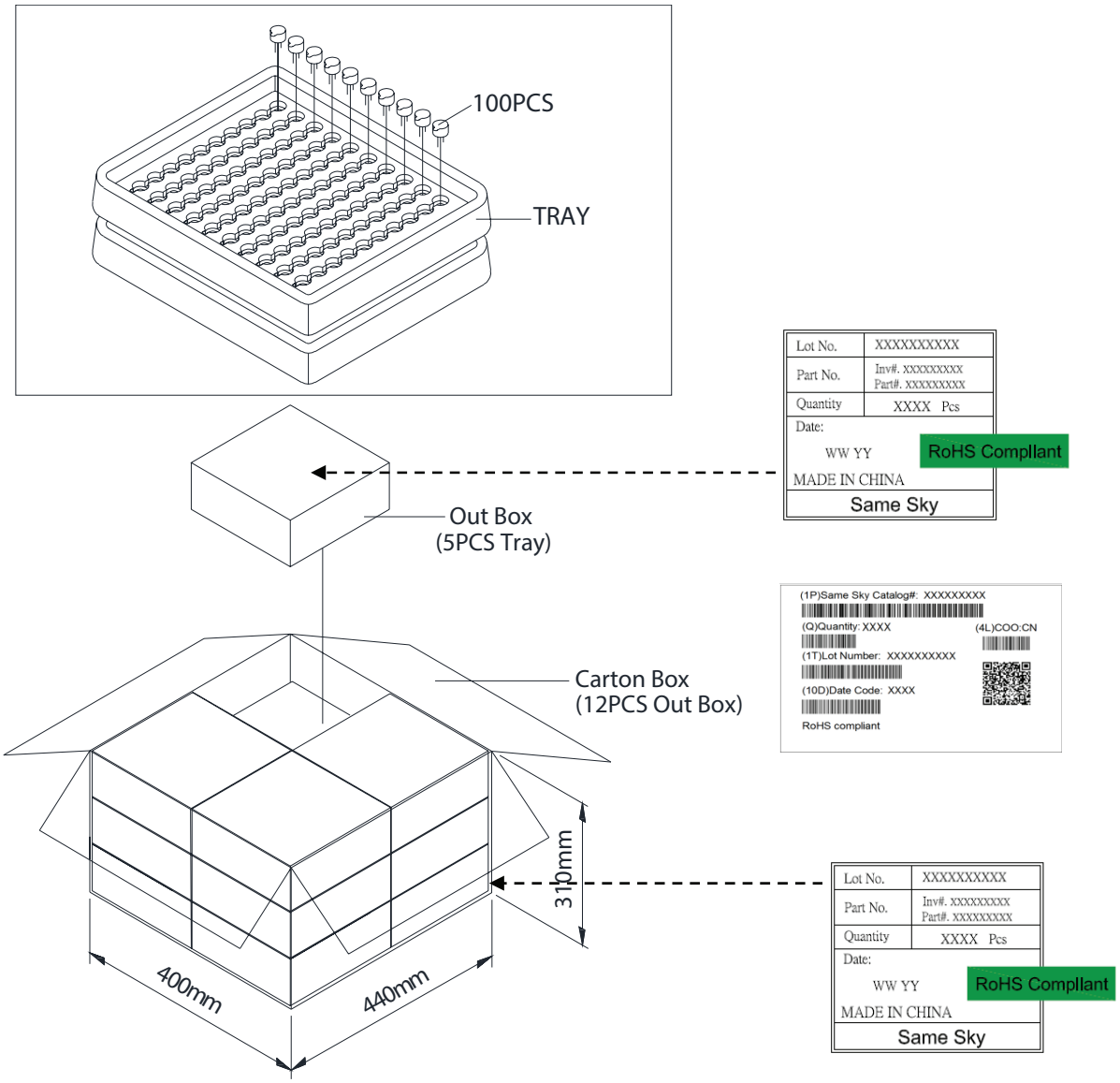

## APPLICATION CIRCUIT



## PACKAGING

units: mm

Tray Size: 184 x 184 x 23 mm
Carton Size: 440 x 400 x 310 mm
Tray QTY: 100 pcs per tray
Carton QTY: 6,000 pcs per carton



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 09/12/2006 |
| 1.01 | brand update | 01/06/2020 |
| 1.02 | changed pin pitch | 10/27/2021 |
| 1.03 | logo, datasheet style update | 08/05/2022 |
| 1.04 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.05 | changed to laser print marking | 02/11/2025 |

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

same sky

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

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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