

**MODEL:** CMT-1285C-015 | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- externally driven
- wave solderable
- 91 dB SPL

**SPECIFICATIONS**

| parameter             | conditions/description                                                            | min  | typ   | max  | units |
|-----------------------|-----------------------------------------------------------------------------------|------|-------|------|-------|
| rated voltage         |  |      | 1.5   |      | Vo-p  |
| operating voltage     |                                                                                   | 1.0  |       | 2.0  | Vo-p  |
| current consumption   | at rated voltage, 2,048 Hz square wave, ½ duty                                    |      |       | 35   | mA    |
| rated frequency       |                                                                                   |      | 2,048 |      | Hz    |
| sound pressure level  | at 10 cm (A-weight), rated voltage, 2,048 Hz square wave, ½ duty                  | 85   | 91    |      | dBA   |
| coil resistance       |                                                                                   | 13.6 | 16.0  | 18.4 | Ω     |
| dimensions            | Ø12.0 x 8.5                                                                       |      |       |      | mm    |
| weight                |                                                                                   |      | 1.4   |      | g     |
| material              | PPD (black)                                                                       |      |       |      |       |
| terminal              | pin type (Au plating)                                                             |      |       |      |       |
| operating temperature |                                                                                   | -20  |       | 60   | °C    |
| storage temperature   |                                                                                   | -30  |       | 70   | °C    |
| RoHS                  | yes                                                                               |      |       |      |       |

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

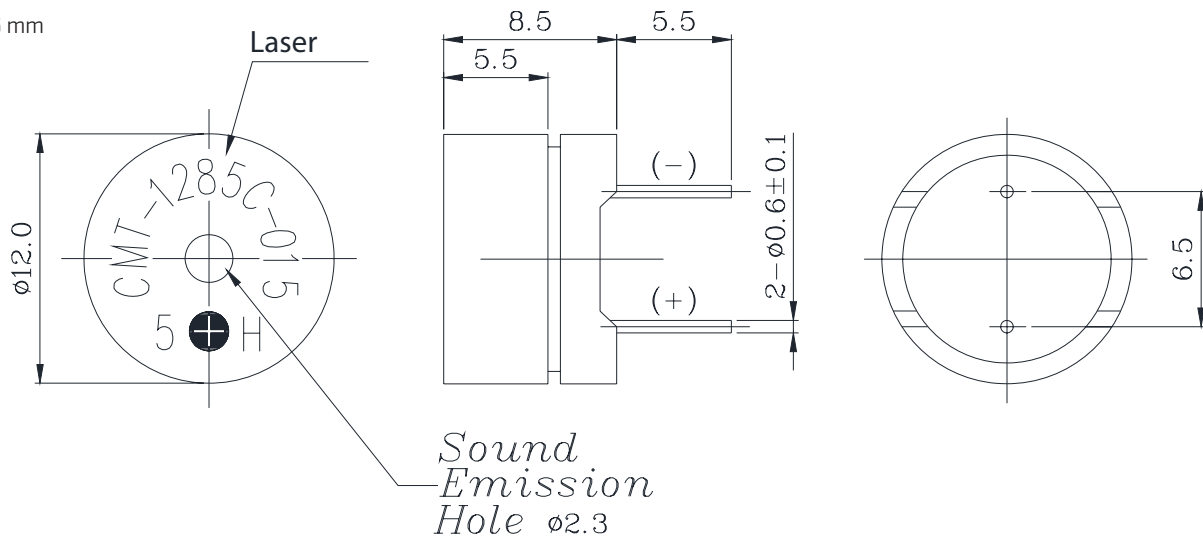
**SOLDERABILITY**

| parameter                   | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|-------|
| hand soldering <sup>2</sup> | for maximum 2 seconds  | 330 |     | 380 | °C    |

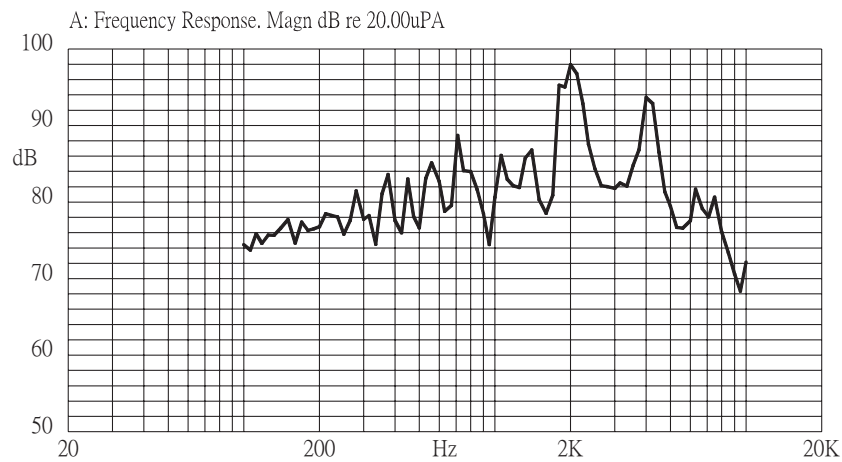
Notes: 2. Not recommended for wave soldering

## MECHANICAL DRAWING

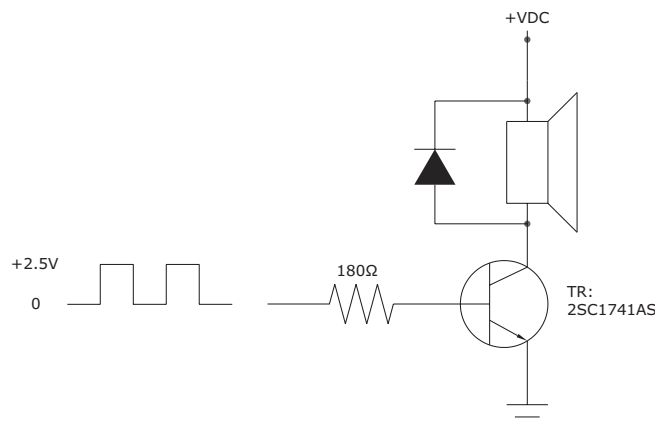
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## MEASUREMENT METHOD



## PACKAGING

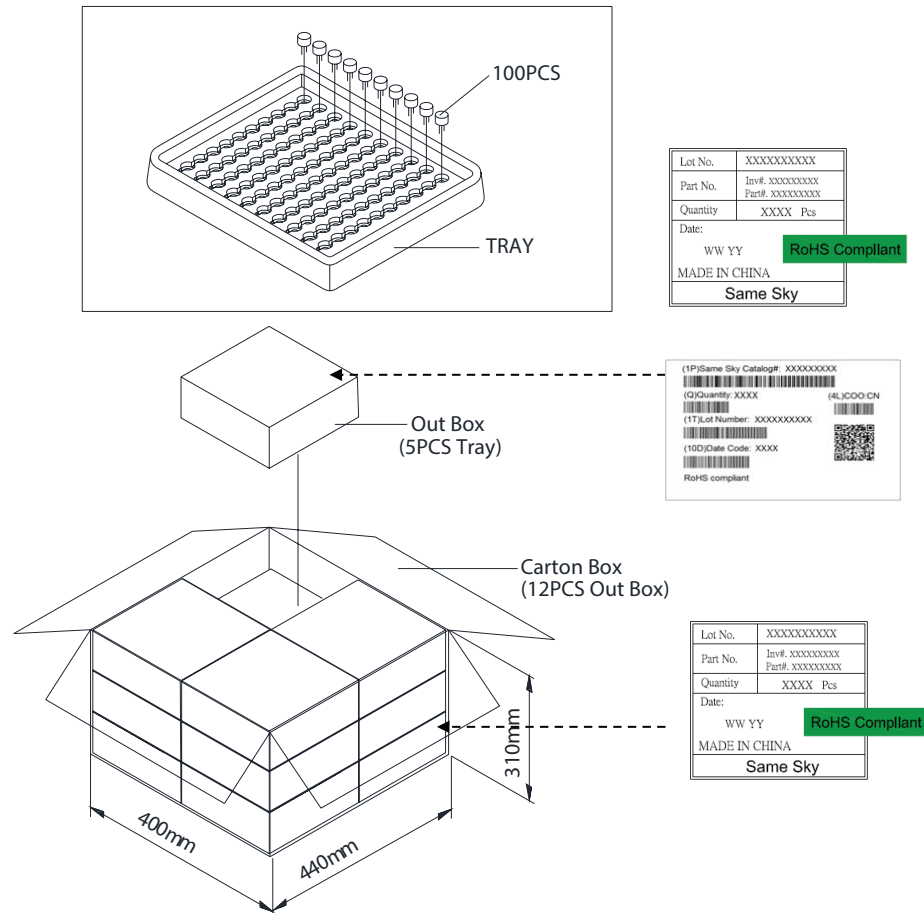
units: mm

Tray Size: 184 x 180 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                   | 03/31/2016 |
| 1.01 | brand update                      | 12/11/2019 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.04 | changed to laser print marking    | 01/29/2025 |

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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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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