

**MODEL:** CMT-1614-85T | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- through hole
- SPL 85 dB
- magnetic
- externally driven

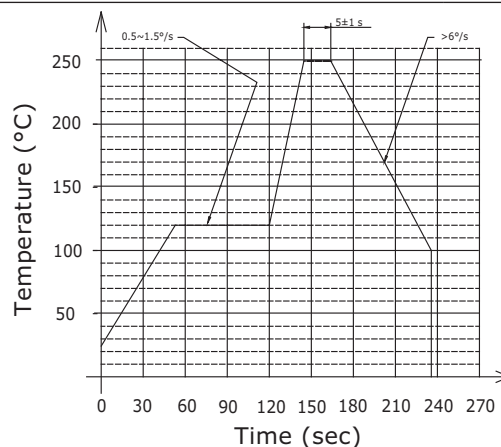
**SPECIFICATIONS**

| parameter             | conditions/description                                                            | min | typ   | max  | units |
|-----------------------|-----------------------------------------------------------------------------------|-----|-------|------|-------|
| rated voltage         |  |     | 12.0  |      | Vo-p  |
| operating voltage     |                                                                                   | 9.0 |       | 15.0 | Vo-p  |
| current consumption   | at rated voltage, 2,048 Hz, ½ duty square wave                                    |     |       | 40   | mA    |
| rated frequency       |                                                                                   |     | 2,048 |      | Hz    |
| sound pressure level  | at 10 cm, rated voltage, 2,048 Hz, ½ duty square wave                             | 85  |       |      | dB    |
| coil resistance       |                                                                                   | 103 | 115   | 127  | Ω     |
| dimensions            | Ø16.0 x 14.0                                                                      |     |       |      | mm    |
| weight                |                                                                                   |     | 5.0   |      | g     |
| material              | PPS (S-206)                                                                       |     |       |      |       |
| terminal              | pins (red copper with gold plating)                                               |     |       |      |       |
| operating temperature |                                                                                   | -30 |       | 70   | °C    |
| storage temperature   |                                                                                   | -40 |       | 85   | °C    |
| RoHS                  | yes                                                                               |     |       |      |       |

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

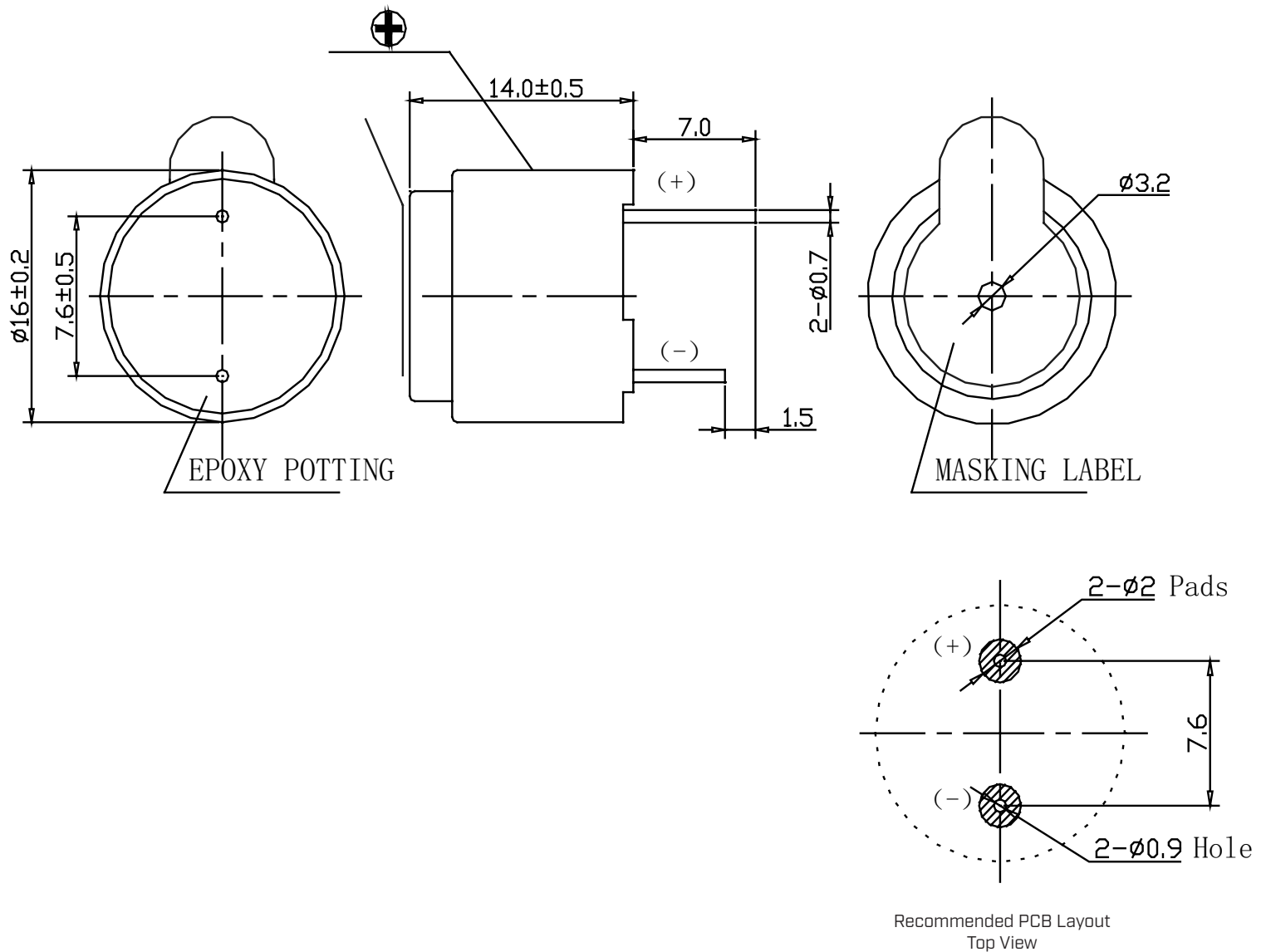
**SOLDERABILITY**

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

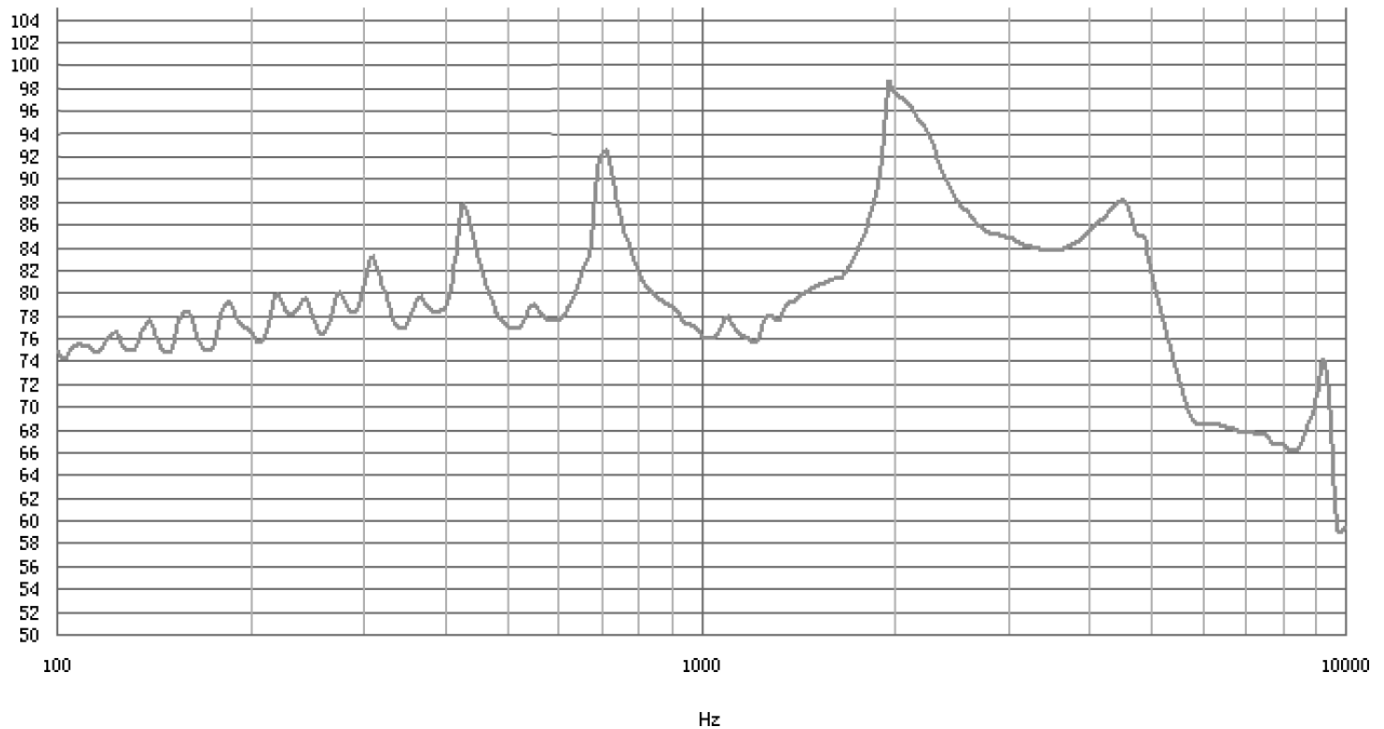


## MECHANICAL DRAWING

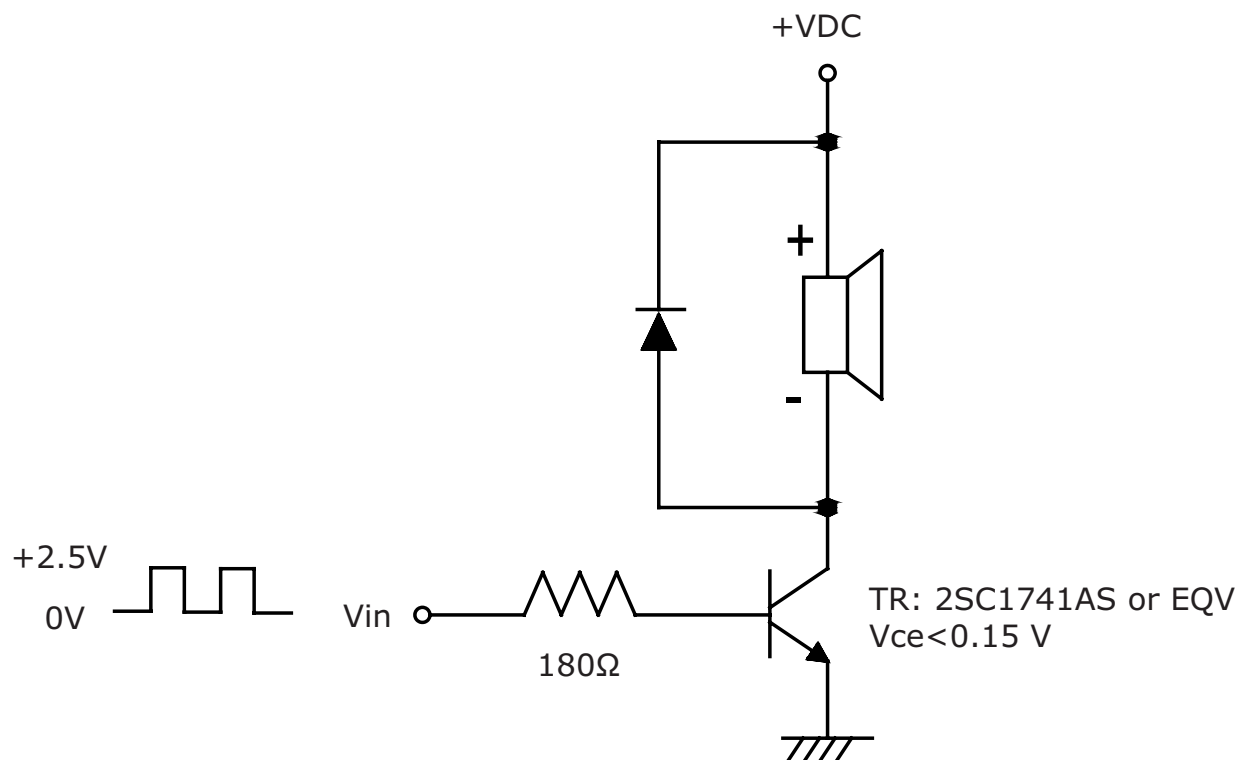
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



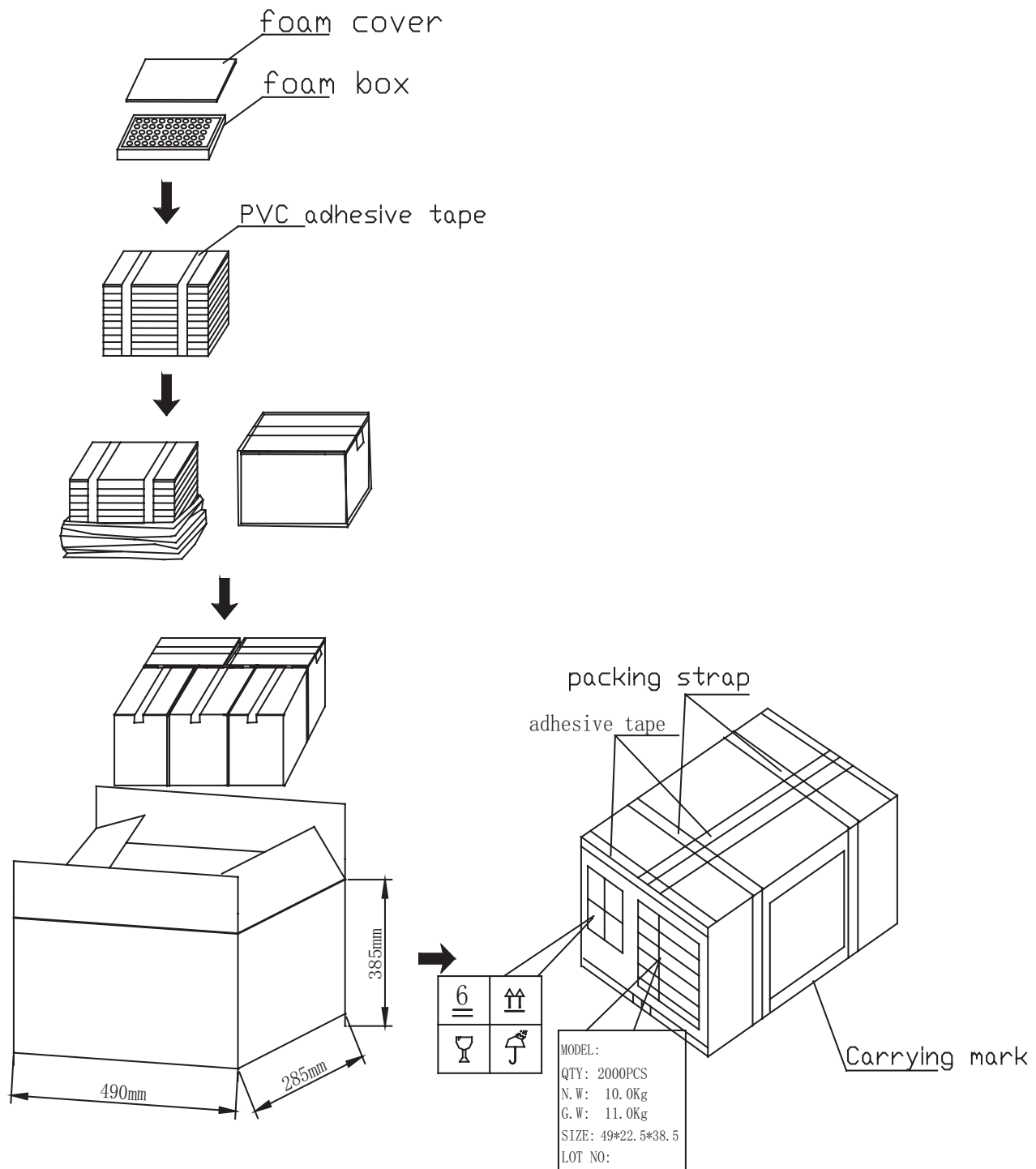
## APPLICATION CIRCUIT



## PACKAGING

units: mm

Carton Size: 490 x 285 x 385 mm  
Carton QTY: 2,000 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/17/2019 |
| 1.01 | brand update                      | 12/18/2019 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 1.03 | 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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