

**MODEL:** CEP-1152 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo transducer with pin mount
- 84 dB SPL
- 5,000 Hz rated frequency

**SPECIFICATIONS**

| parameter              | conditions/description                  | min   | typ    | max    | units |
|------------------------|-----------------------------------------|-------|--------|--------|-------|
| operating voltage      |                                         |       |        | 30     | Vp-p  |
| current consumption    | at 10 Vp-p, 5,000 Hz square wave        |       |        | 9      | mA    |
| rated frequency        |                                         |       | 5,000  |        | Hz    |
| sound pressure level   | at 10 cm, 10 Vp-p, 5,000 Hz square wave | 84    |        |        | dB    |
| electrostatic capacity | at 1 kHz/1 V                            | 7,700 | 11,000 | 14,300 | pF    |
| dimensions             | Ø16.5 x 7.0                             |       |        |        | mm    |
| weight                 |                                         |       |        | 1.0    | g     |
| material               | ABS UL94 1/16" HB (black)               |       |        |        |       |
| terminal               | pin type (Sn plating)                   |       |        |        |       |
| operating temperature  |                                         | -30   |        | 85     | °C    |
| storage temperature    |                                         | -40   |        | 95     | °C    |
| RoHS                   | yes                                     |       |        |        |       |

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

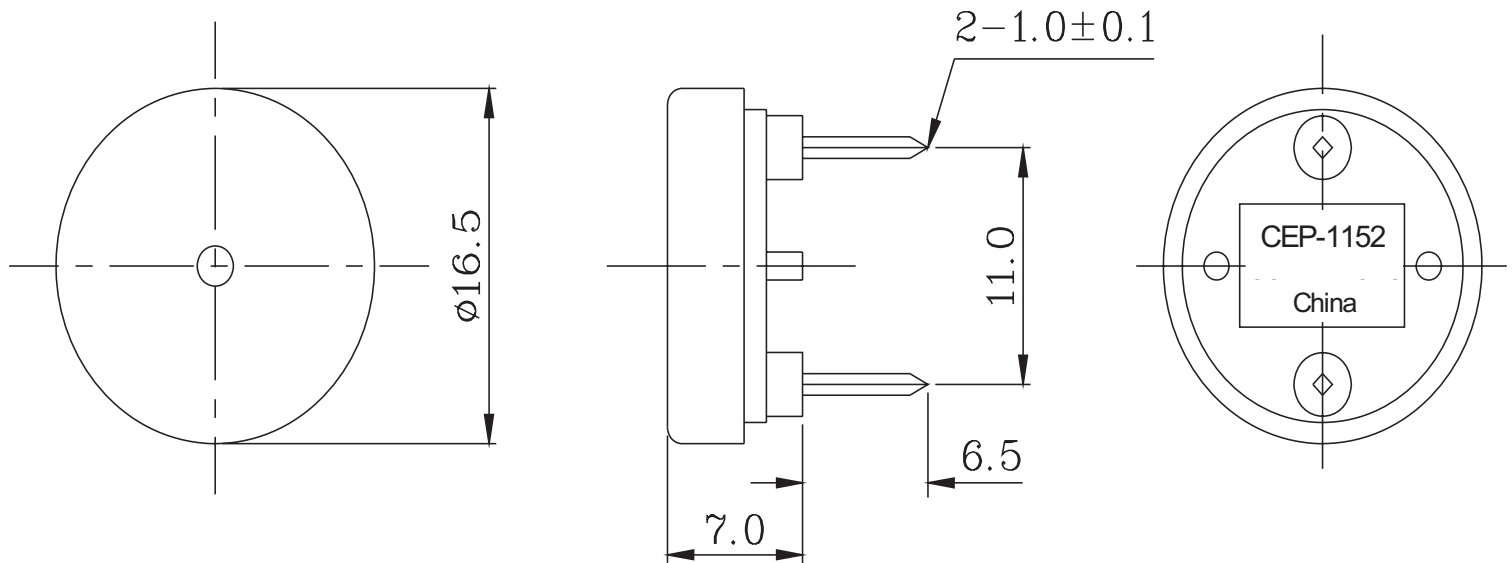
**SOLDERABILITY**

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

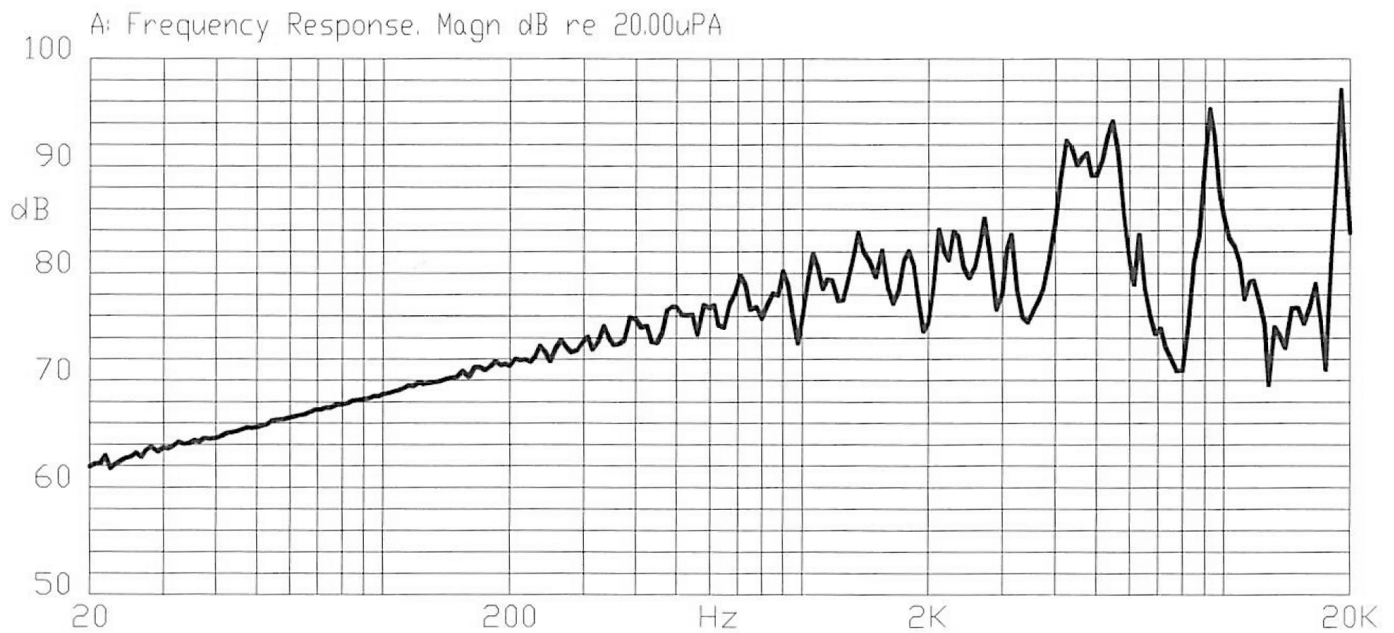
Notes: 2. Not recommended for wave soldering

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 09/18/2006 |
| 1.01 | brand update                      | 03/13/2020 |
| 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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