

**MODEL:** CEP-2202AS | **DESCRIPTION:** PIEZO BUZZER INDICATOR**FEATURES**

- through-hole pin
- 12 Vdc rating
- 3.0 kHz rated frequency
- washable

**SPECIFICATIONS**

| parameter             | conditions/description              | min   | typ   | max   | units |
|-----------------------|-------------------------------------|-------|-------|-------|-------|
| rated voltage         |                                     |       | 12    |       | Vdc   |
| operating voltage     |                                     | 3     |       | 20    | Vdc   |
| current consumption   | at rated voltage                    |       |       | 11    | mA    |
| rated frequency       |                                     | 2,500 | 3,000 | 3,500 | Hz    |
| sound pressure level  | at 30 cm, rated voltage             | 85    |       |       | dB    |
| dimensions            | Ø24.2 x 16.0                        |       |       |       | mm    |
| weight                |                                     |       |       | 5.0   | g     |
| material              | ABS UL94 1/16" HB High Heat (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.

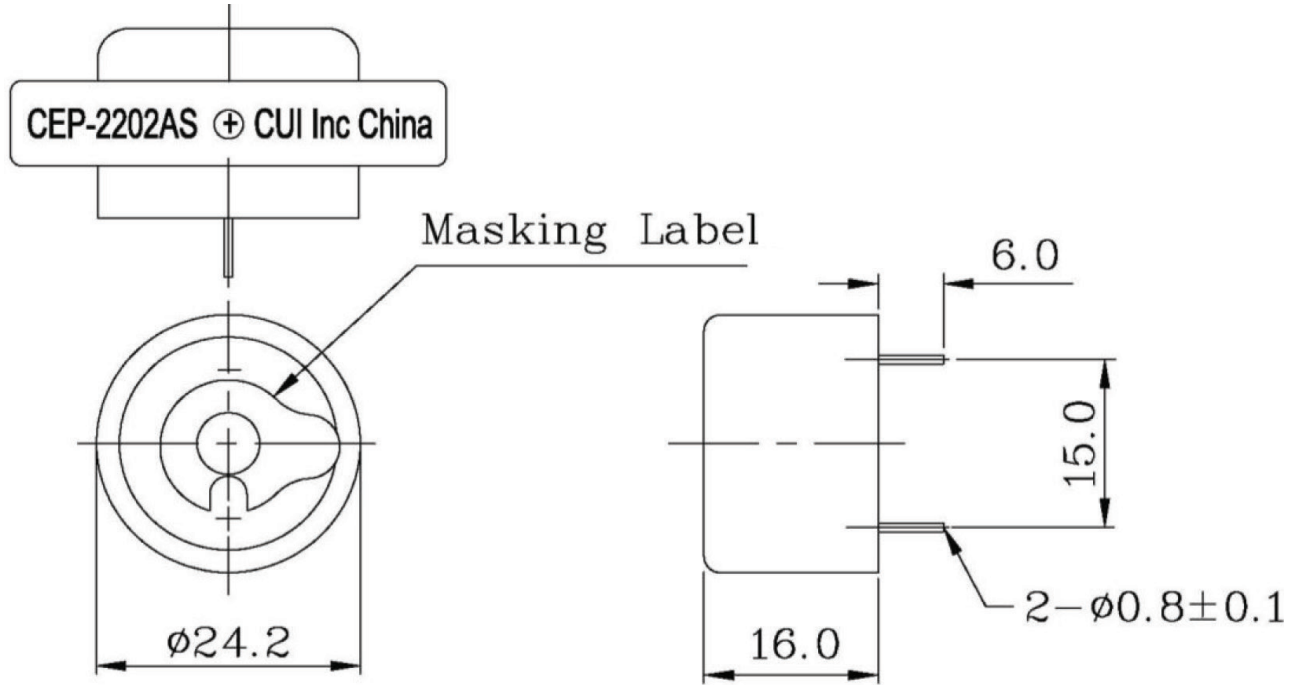
**SOLDERABILITY**

| parameter                   | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|-------|
| hand soldering <sup>2</sup> | for maximum 5 seconds  | 330 |     | 380 | °C    |

Notes: 2. Not recommended for wave soldering

## MECHANICAL DRAWING

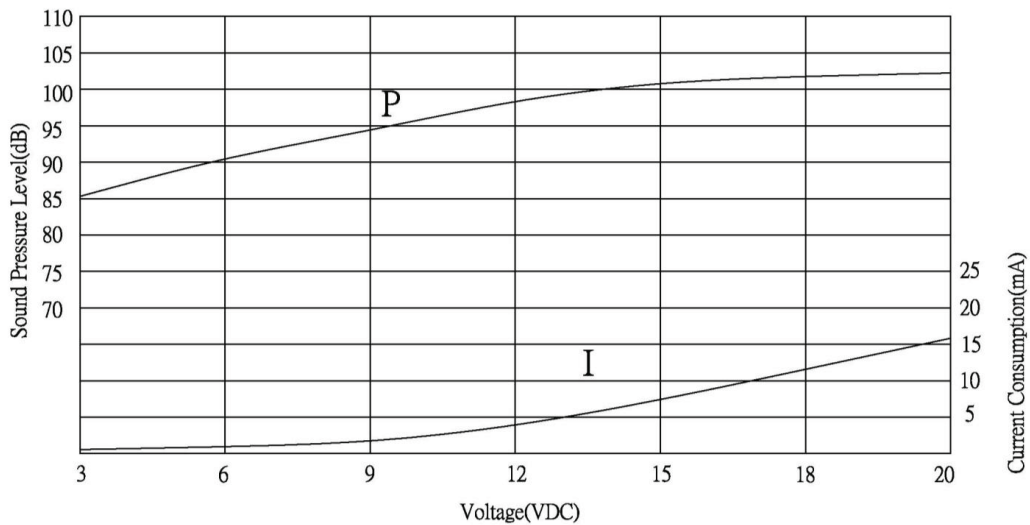
units: mm  
tolerance: ±0.5 mm



## PERFORMANCE CURVES

P: Voltage vs. Sound Pressure Level  
I: Voltage vs. Current Consumption

at 30cm



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 09/18/2006 |
| 1.01 | brand update                 | 11/01/2019 |
| 1.02 | logo, datasheet style update | 08/05/2022 |

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



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