

**MODEL:** CPE-232H | **DESCRIPTION:** PIEZO BUZZER INDICATOR

**FEATURES**

- piezo indicator with pin mount
- 12 Vdc rating
- 3200 Hz rated frequency


**SPECIFICATIONS**

| parameter             | conditions/description              | min   | typ   | max   | units |
|-----------------------|-------------------------------------|-------|-------|-------|-------|
| rated voltage         |                                     |       | 12    |       | Vdc   |
| operating voltage     |                                     | 5     |       | 16    | Vdc   |
| current consumption   | at rated voltage                    |       |       | 10    | mA    |
| rated frequency       |                                     | 2,700 | 3,200 | 3,700 | Hz    |
| sound pressure level  | at 30 cm, rated voltage             | 85    |       |       | dB    |
| dimensions            | ∅23.3 x 10.2                        |       |       |       | 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.

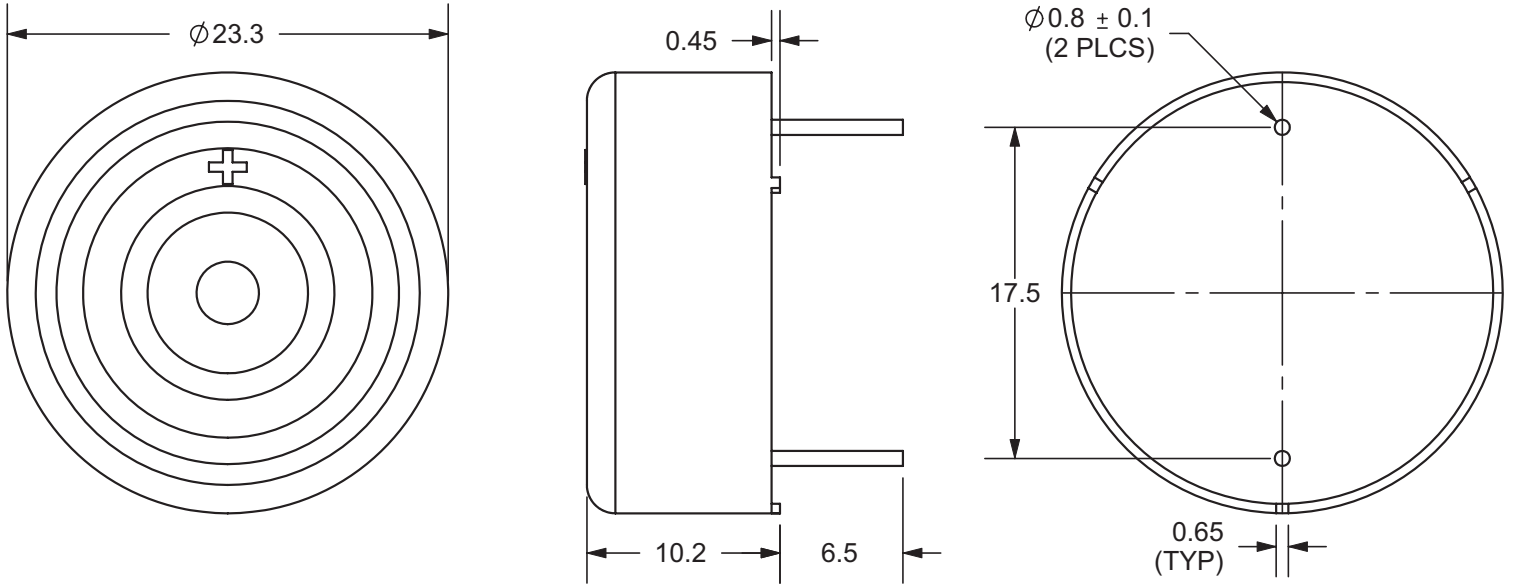
**SOLDERABILITY**

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

Notes: 2. Not recommended for wave soldering

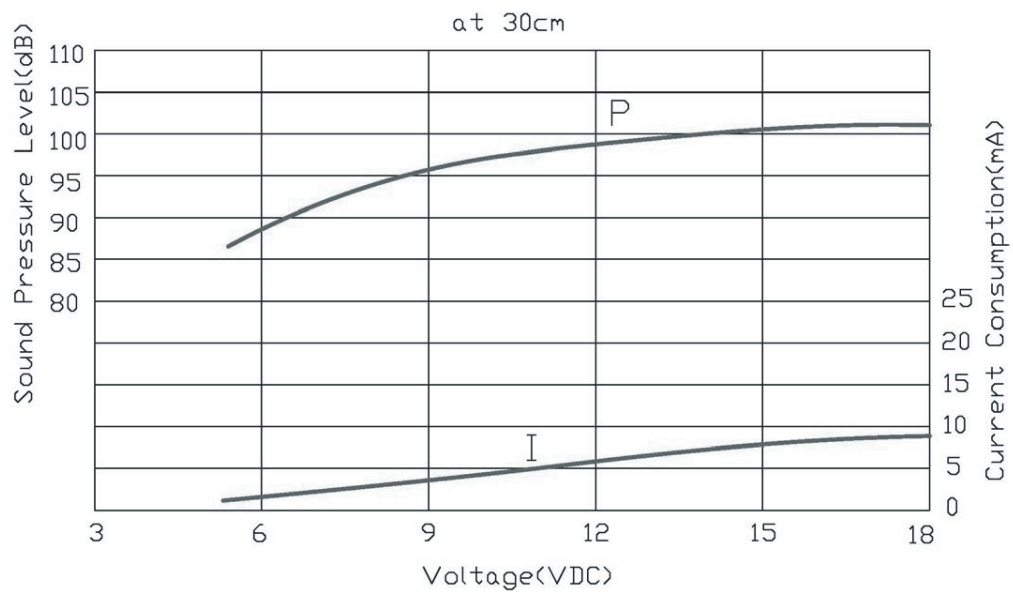
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm



## PERFORMANCE CURVES

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



## REVISION HISTORY

| rev. | description                                    | date       |
|------|--|------------|
| 1.0  | initial release                                | 11/12/2007 |
| 1.01 | widened operating input voltage range          | 06/19/2014 |
| 1.02 | internal IC changed reducing max input voltage | 03/15/2019 |
| 1.03 | brand update                                   | 11/22/2019 |
| 1.04 | 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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