

**MODEL:** CEP-1130 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo transducer with pin mount
- 90 dB SPL
- 3,000 Hz rated frequency

**SPECIFICATIONS**

| parameter              | conditions/description                  | min    | typ    | max    | units |
|------------------------|-----------------------------------------|--------|--------|--------|-------|
| operating voltage      |                                         |        |        | 30     | Vp-p  |
| current consumption    | at 10 Vp-p, 3,000 Hz square wave        |        |        | 10     | mA    |
| rated frequency        |                                         |        | 3,000  |        | Hz    |
| sound pressure level   | at 10 cm, 10 Vp-p, 3,000 Hz square wave | 90     |        |        | dB    |
| electrostatic capacity | at 1 kHz/1 V                            | 12,600 | 18,000 | 23,400 | pF    |
| dimensions             | Ø30.0 x 7.5                             |        |        |        | mm    |
| weight                 |                                         |        |        | 4.4    | g     |
| material               | ABS UL94 1/16" HB High Heat (black)     |        |        |        |       |
| terminal               | pin type (Sn plating)                   |        |        |        |       |
| operating temperature  |                                         | -30    |        | 80     | °C    |
| storage temperature    |                                         | -40    |        | 80     | °C    |
| RoHS                   | yes                                     |        |        |        |       |

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

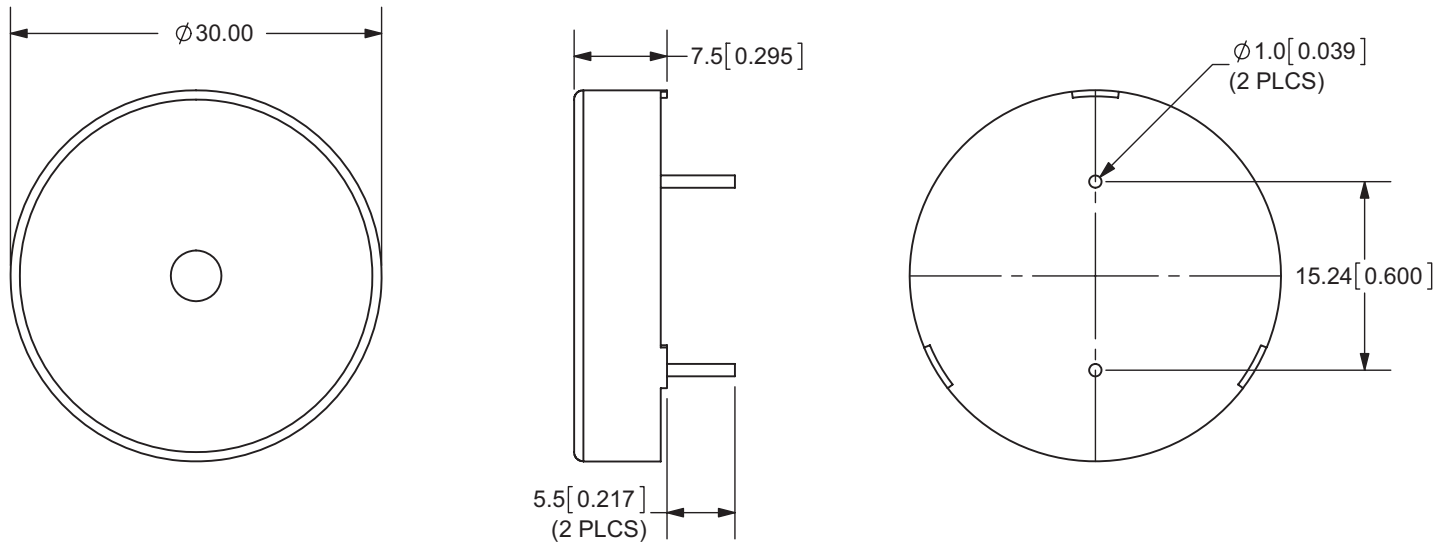
**SOLDERABILITY**

| parameter                   | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|-------|
| hand soldering <sup>2</sup> | for maximum 3 seconds  | 340 | 350 | 360 | °C    |

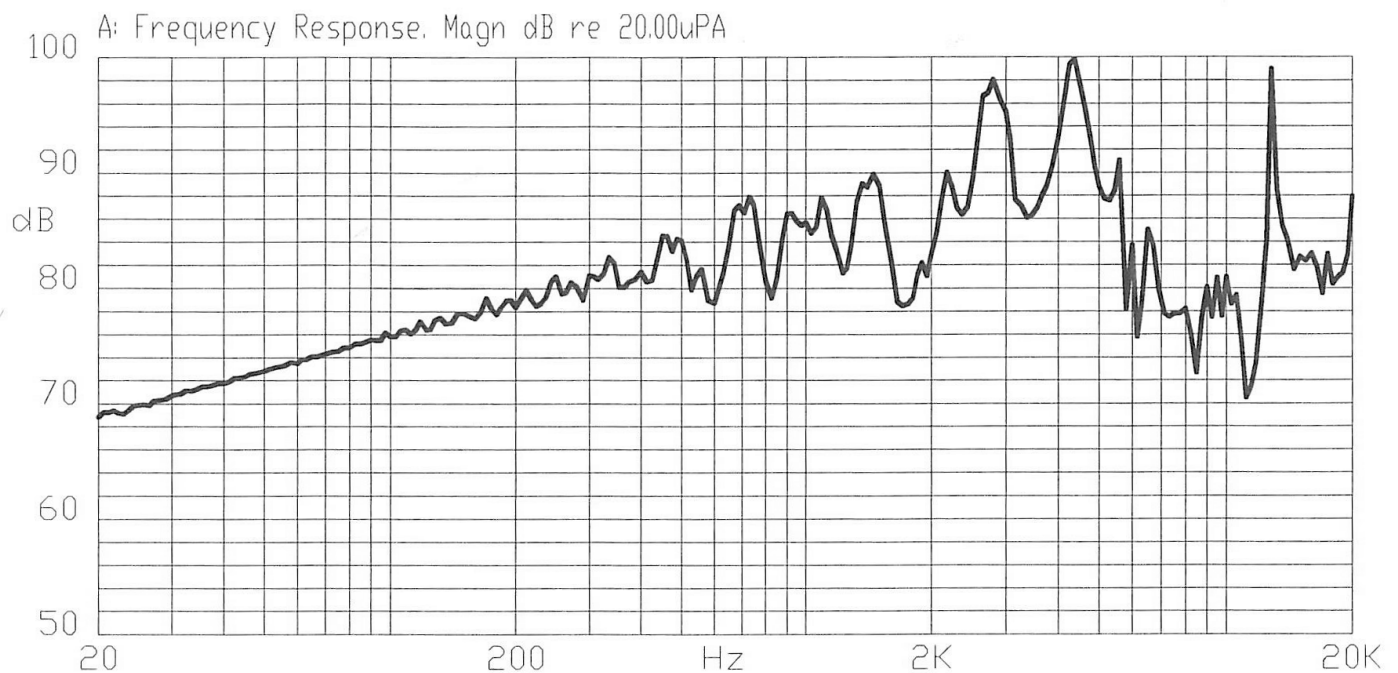
Notes: 2. Not recommended for wave soldering

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 07/31/2006 |
| 1.01 | brand update                 | 03/12/2020 |
| 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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