

MODEL: CPE-164 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- piezo transducer with pin mount
- 80 dB SPL
- 4,000 Hz rated frequency


SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|------------------------|---|--------|--------|--------|-------|
| operating voltage | | | | 20 | Vp-p |
| current consumption | at 10 Vp-p, 4,000 Hz square wave | | | 10 | mA |
| rated frequency | | | 4,000 | | Hz |
| sound pressure level | at 10 cm, 10 Vp-p, 4,000 Hz square wave | 80 | | | dB |
| electrostatic capacity | at 1 kHz/1 V | 11,200 | 16,000 | 20,800 | pF |
| dimensions | Ø13.7 x 7.6 | | | | mm |
| weight | | | | 0.9 | g |
| material | NORYL (black) | | | | |
| terminal | pin type (Au plating) | | | | |
| operating temperature | | -20 | | 70 | °C |
| storage temperature | | -30 | | 80 | °C |
| RoHS | yes | | | | |

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

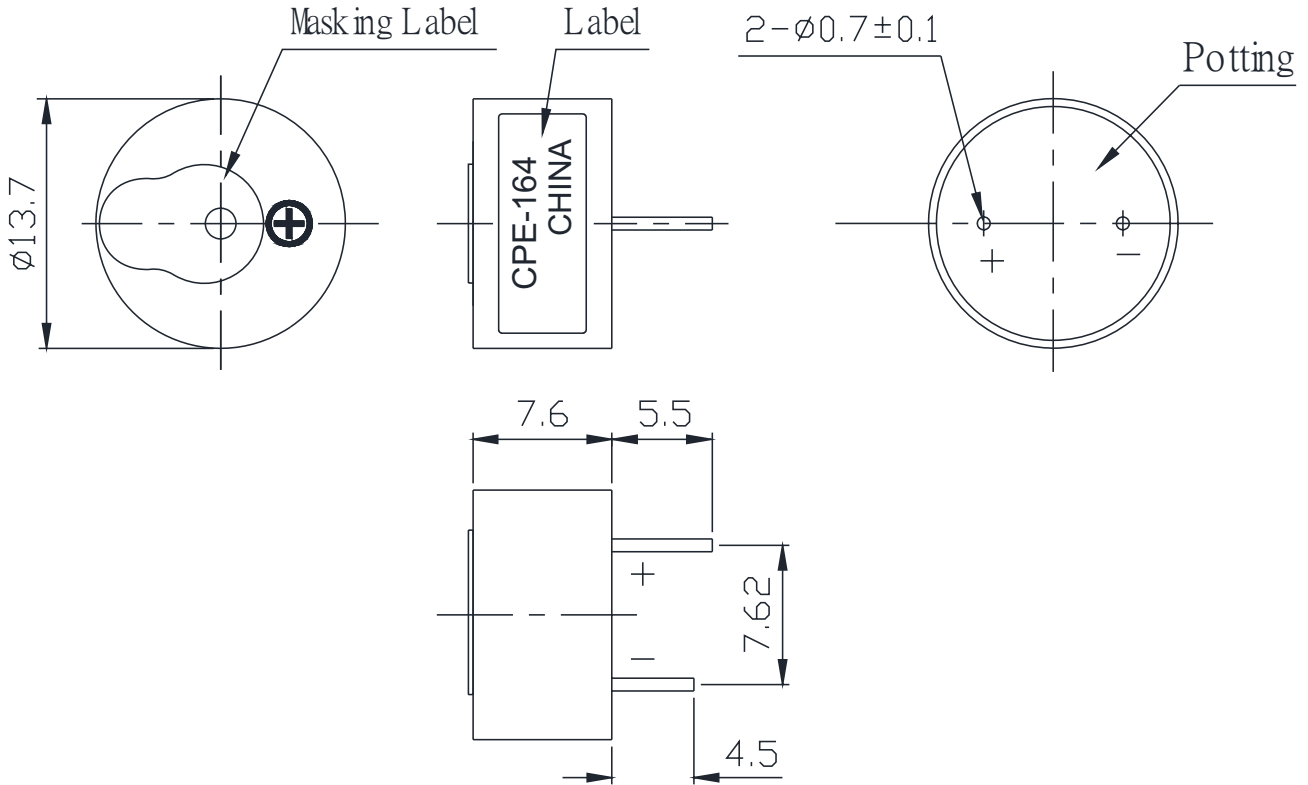
SOLDERABILITY

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

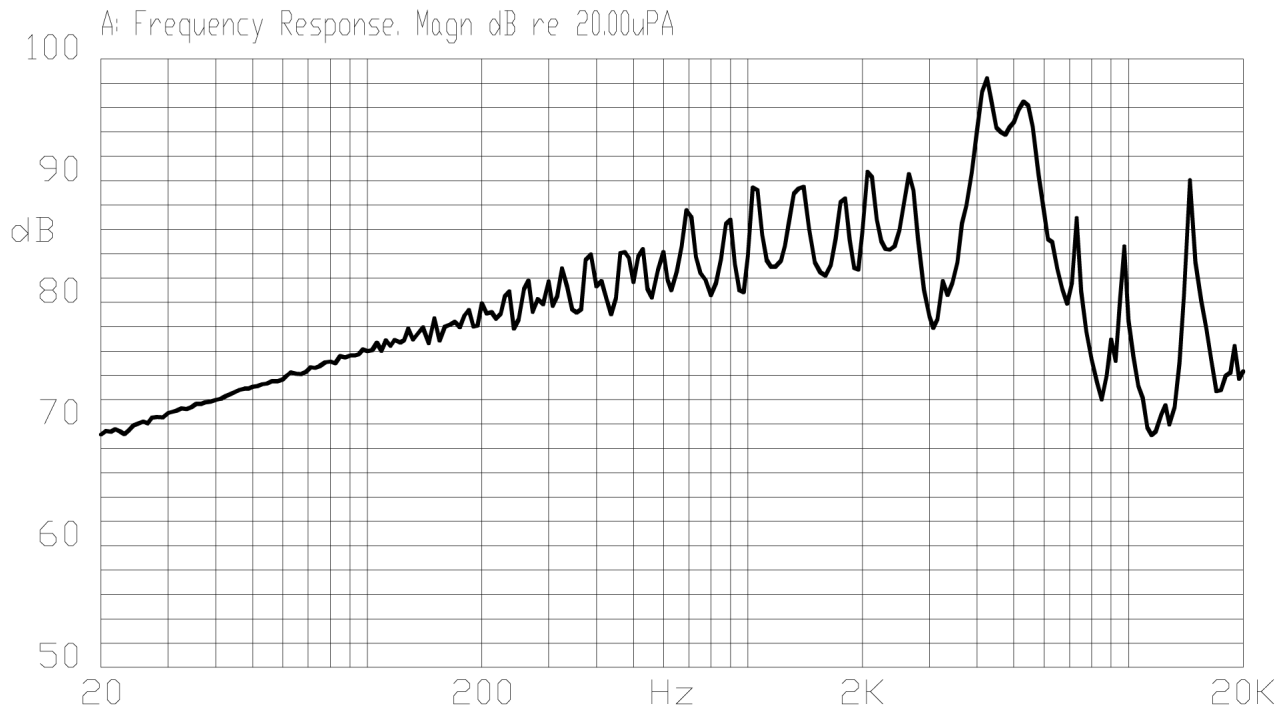
Notes: 2. Not recommended for wave soldering

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



FREQUENCY RESPONSE CURVE



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 11/12/2007 |
| 1.01 | brand update | 03/13/2020 |
| 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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