



**MODEL:** CPE-171 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

**FEATURES**

- piezo transducer with pin mount
- 75 dB SPL
- 2,800 Hz rated frequency



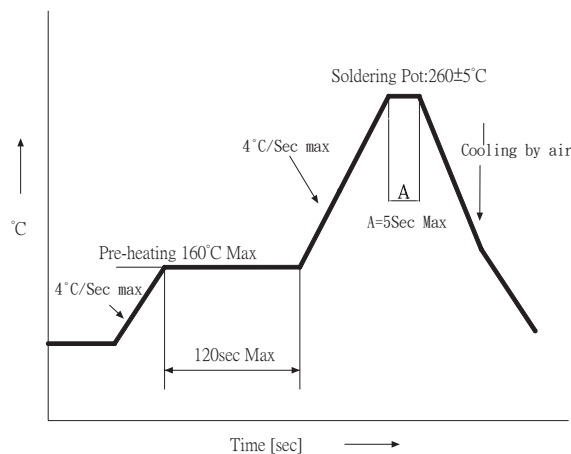
**SPECIFICATIONS**

| parameter              | conditions/description                  | min   | typ   | max   | units |
|------------------------|---|-------|-------|-------|-------|
| operating voltage      |   |       |       | 30    | Vp-p  |
| current consumption    | at 10 Vp-p, 2,800 Hz square wave        |       |       | 4     | mA    |
| rated frequency        |   |       | 2,800 |       | Hz    |
| sound pressure level   | at 10 cm, 10 Vp-p, 2,800 Hz square wave | 75    |       |       | dB    |
| electrostatic capacity | at 120 Hz/1 V                           | 3,920 | 5,600 | 7,280 | pF    |
| dimensions             | Ø9.0 x 8.0                              |       |       |       | mm    |
| weight                 |   |       |       | 0.52  | g     |
| material               | PBT+15% Glass (black)                   |       |       |       |       |
| terminal               | pin type (Au 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.

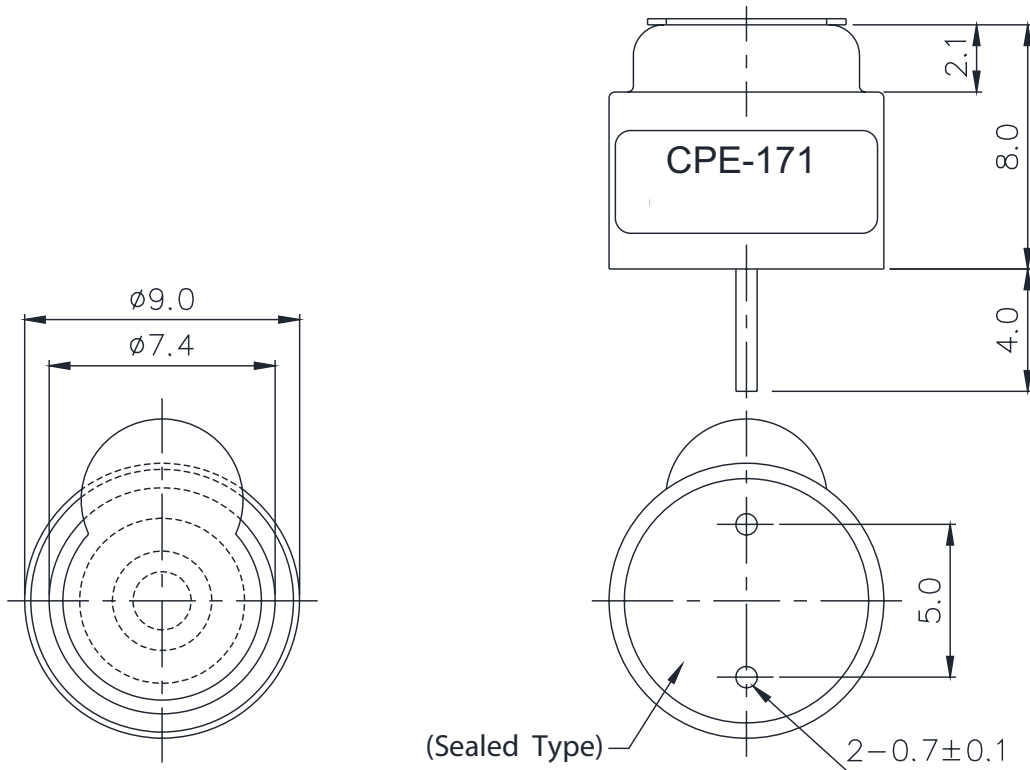
**SOLDERABILITY**

| parameter      | conditions/description  | min | typ | max | units |
|----------------|-------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 2 seconds   | 330 |     | 380 | °C    |
| wave soldering | see wave solder profile | 255 | 260 | 265 | °C    |

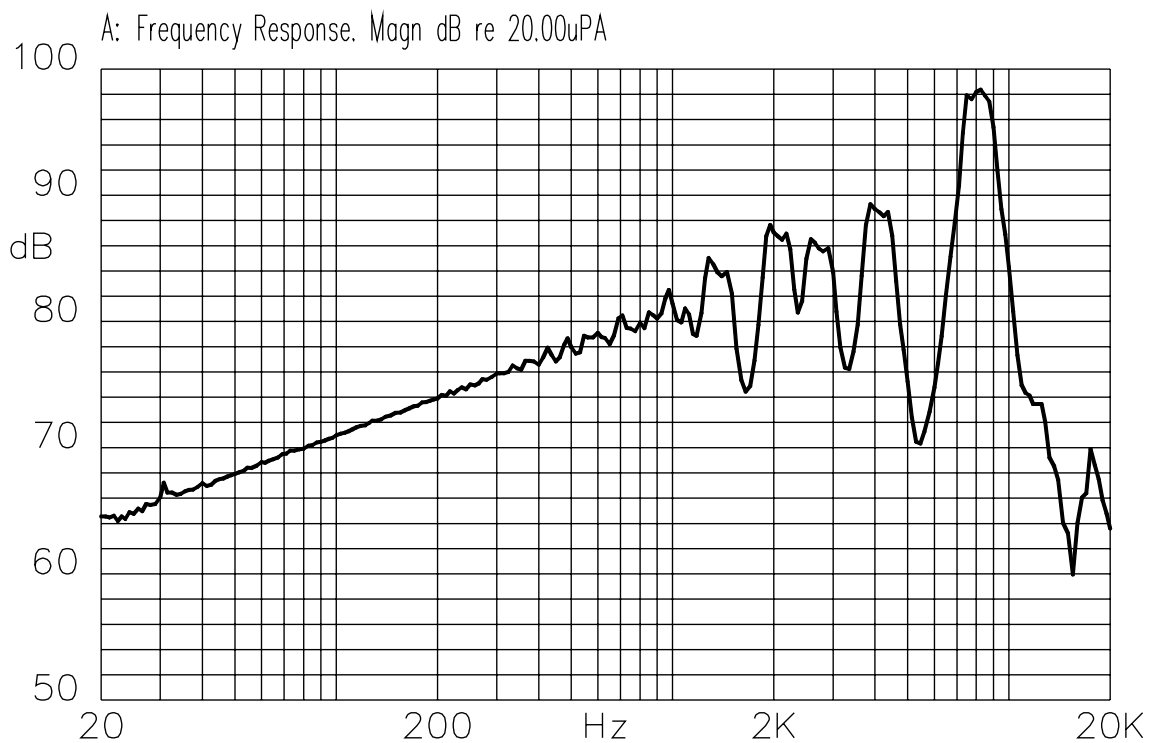


## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm



## FREQUENCY RESPONSE CURVE



## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 09/19/2006 |
| 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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