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# MODEL: CPE-813 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

## FEATURES

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



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| operating voltage | | | | 30 | Vp-p |
| current consumption | at 10 Vp-p, 4,000 Hz square wave | | | 6 | mA |
| rated frequency | | | 4,000 | | Hz |
| sound pressure level | at 10 cm, 10 Vp-p, 4,000 Hz square wave | 84 | | | dB |
| electrostatic capacity | at 1 kHz/1 V | 8,400 | 12,000 | 15,600 | pF |
| dimensions | Ø22.1 x 6.6 | | | | mm |
| weight | | | | 2.5 | g |
| material | ABS UL94 1/16" HB High Heat (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.

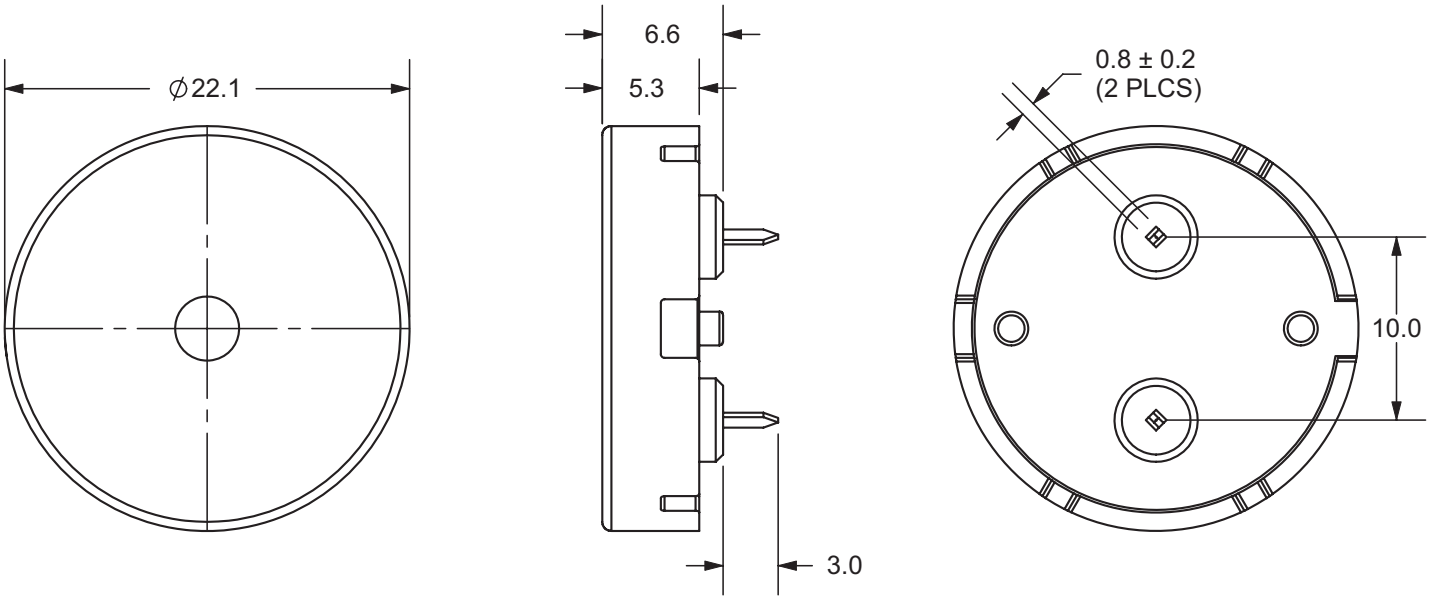
## SOLDERABILITY

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

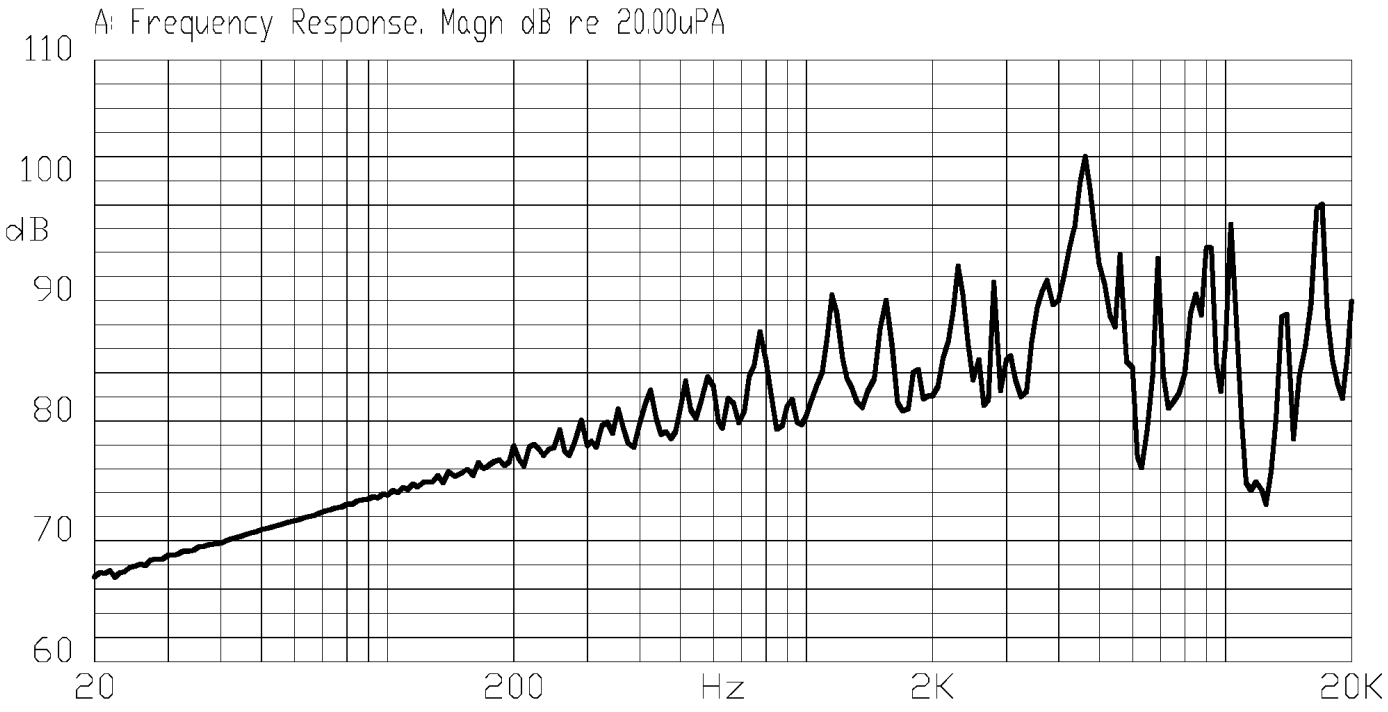
Notes: 2. Not recommended for wave soldering

## 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 |
| 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.

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Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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