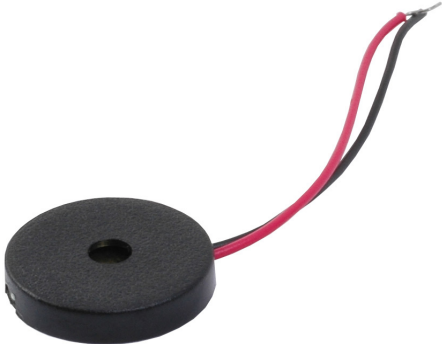


MODEL: CPE-163 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

- piezo transducer with wire leads
- 80 dB SPL
- 4,800 Hz rated frequency



SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|------------------------|---|-------|--------|--------|-------|
| operating voltage | | | | 30 | Vp-p |
| current consumption | at 10 Vp-p, 4,800 Hz square wave | | | 10 | mA |
| rated frequency | | | 4,800 | | Hz |
| sound pressure level | at 10 cm, 10 Vp-p, 4,800 Hz square wave | 80 | | | dB |
| electrostatic capacity | at 1 kHz/1 V | 9,800 | 14,000 | 18,200 | pF |
| dimensions | Ø13.0 x 2.5 | | | | mm |
| weight | | | | 0.35 | g |
| material | ABS UL94 1/16" HB High Heat (black) | | | | |
| terminal | wire leads | | | | |
| 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

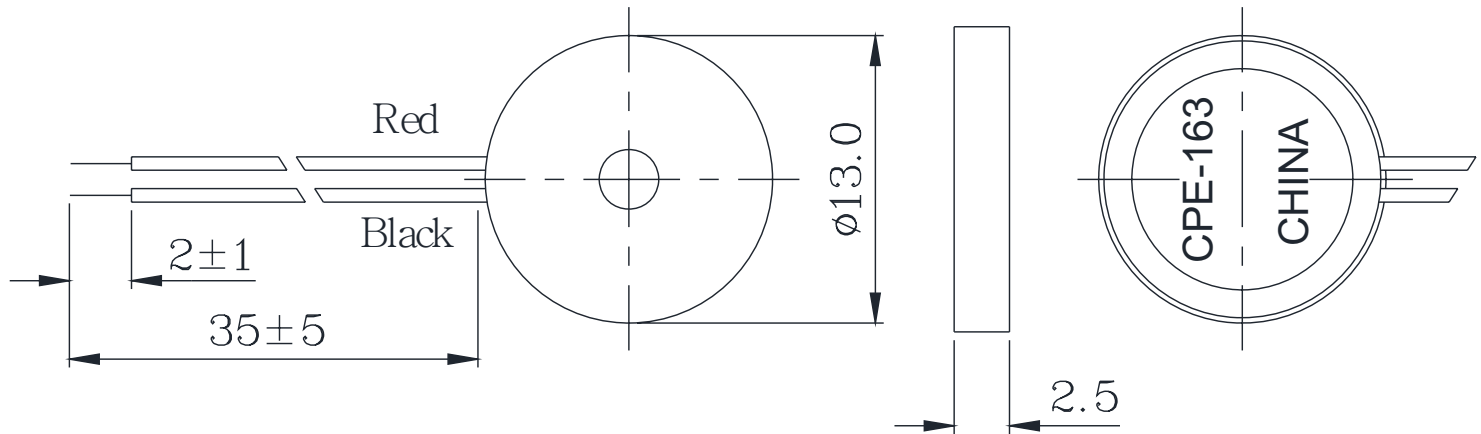
| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 2 ± 0.5 seconds | 280 | 290 | 300 | °C |

MECHANICAL DRAWING

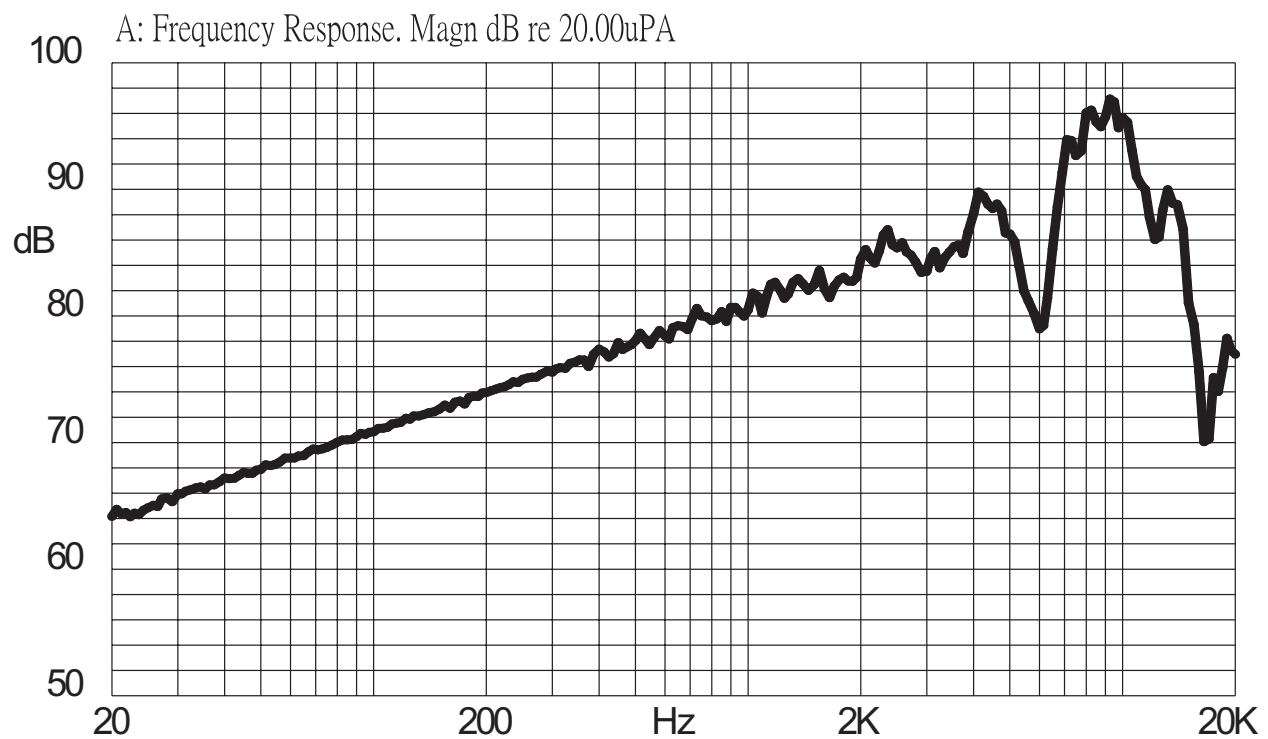
units: mm

tolerance: ± 0.5 mm

wire: UL1571 32 AWG



FREQUENCY RESPONSE CURVE



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 11/12/2007 |
| 1.01 | brand update | 05/05/2020 |
| 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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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