

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

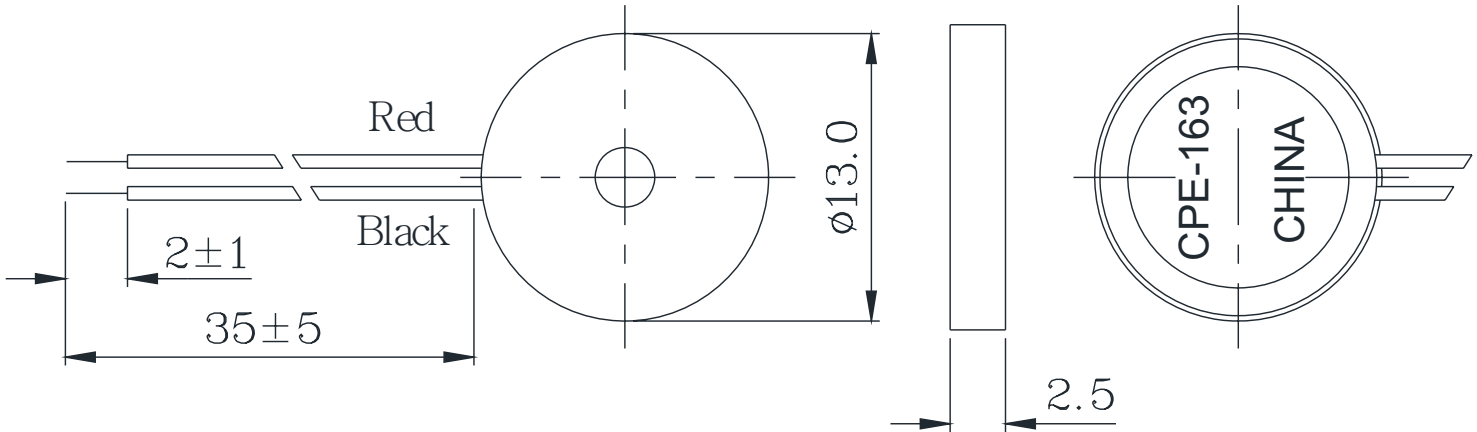
| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 2 ± 0.5 seconds | 280 | 290 | 300 | °C |

MECHANICAL DRAWING

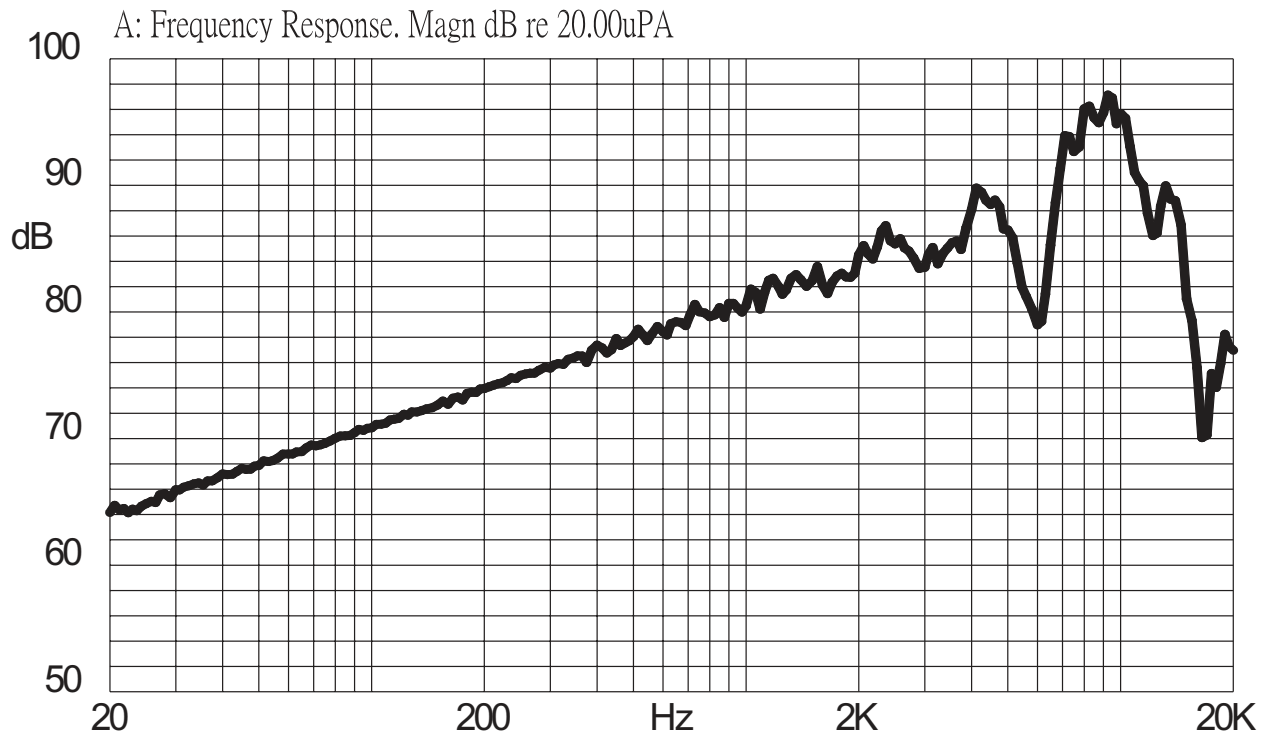
units: mm

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 |

The revision history provided is for informational purposes only and is believed to be accurate.



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