

**MODEL:** CPE-120 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo transducer with wire leads
- 88 dB SPL
- 6,000 Hz rated frequency

**SPECIFICATIONS**

| parameter              | conditions/description                  | min   | typ    | max    | units |
|------------------------|-----------------------------------------|-------|--------|--------|-------|
| operating voltage      |                                         |       |        | 30     | Vp-p  |
| current consumption    | at 10 Vp-p, 6,000 Hz square wave        |       |        | 8      | mA    |
| rated frequency        |                                         |       | 6,000  |        | Hz    |
| sound pressure level   | at 10 cm, 10 Vp-p, 6,000 Hz square wave | 88    |        |        | dB    |
| electrostatic capacity | at 1 kHz/1 V                            | 8,400 | 12,000 | 15,600 | pF    |
| dimensions             | Ø24.0 x 4.0                             |       |        |        | mm    |
| weight                 |                                         |       |        | 2.4    | 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**

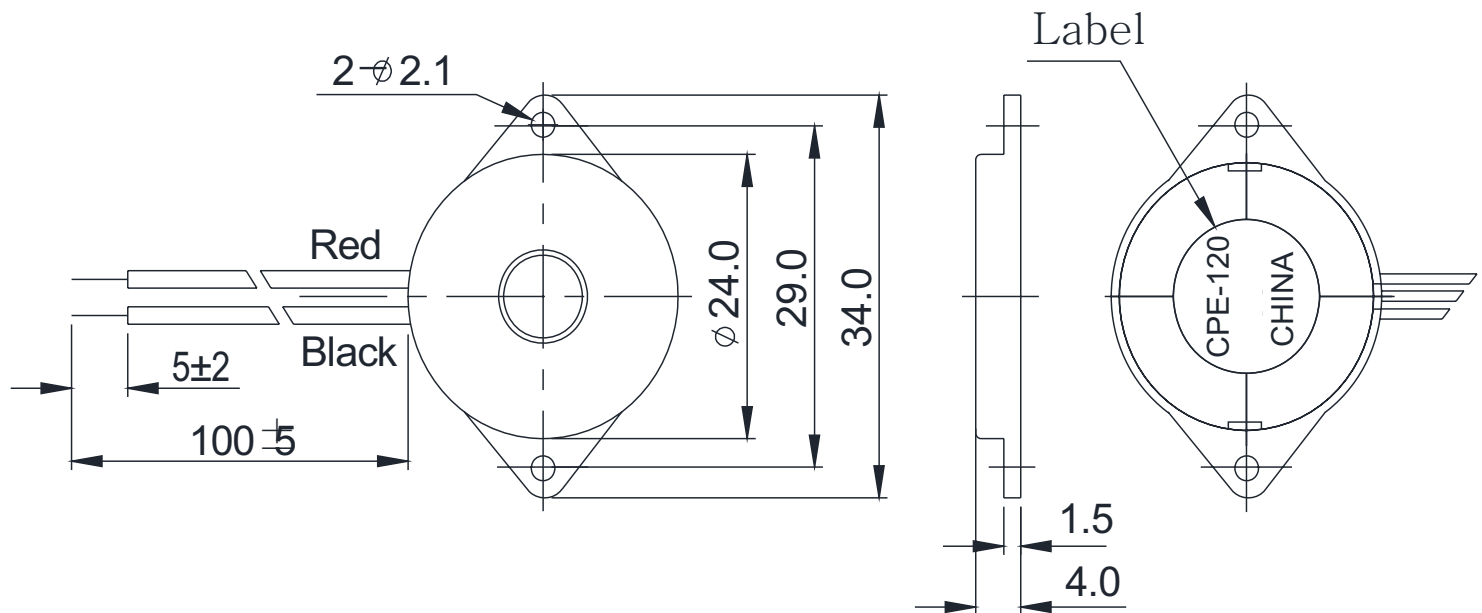
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 2 ± 0.5 seconds    | 280 | 290 | 300 | °C    |

## MECHANICAL DRAWING

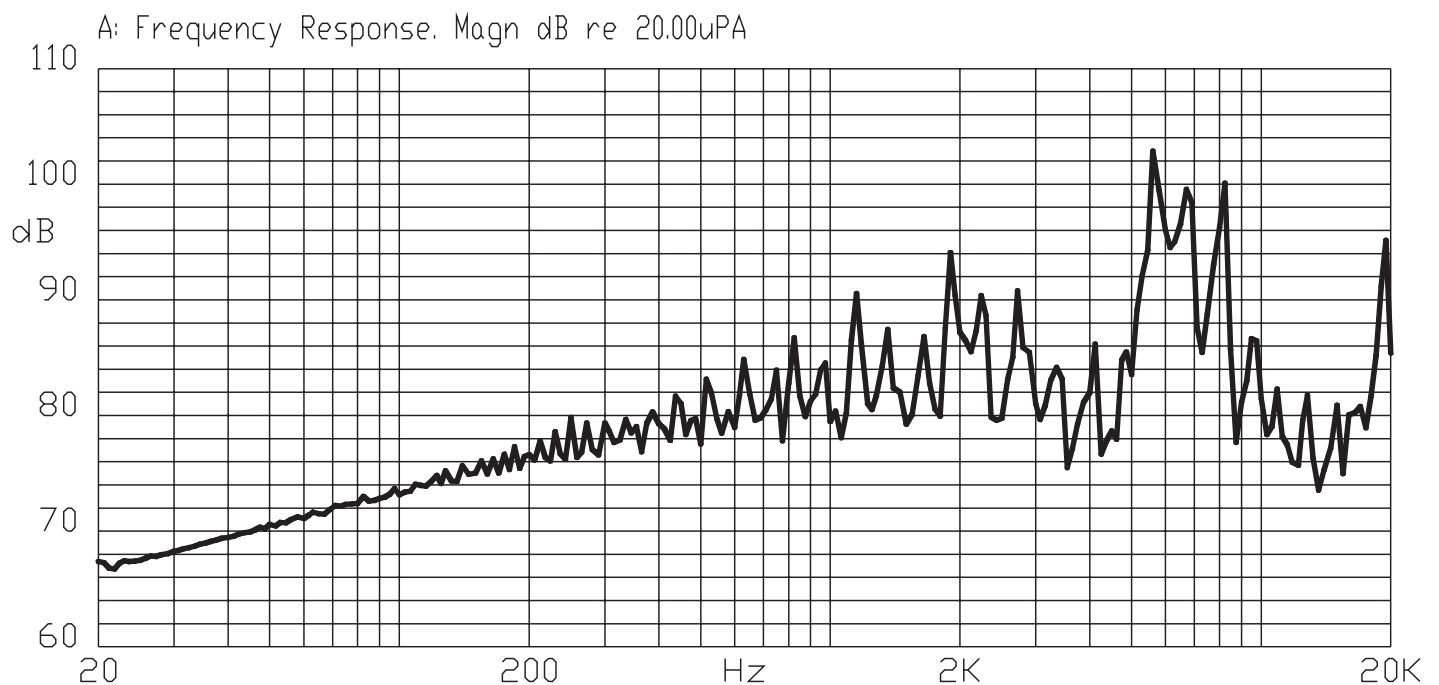
units: mm

tolerance:  $\pm 0.5$  mm

wire: UL1571 28 AWG



## FREQUENCY RESPONSE CURVE



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 11/12/2007 |
| 1.01 | brand update                 | 04/28/2020 |
| 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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