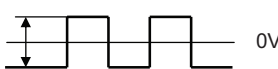


**MODEL:** CPT-3055-90PM | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- SPL 90 dB
- piezo
- externally driven
- panel mount with 120 mm lead wire

**SPECIFICATIONS**

| parameter                 | conditions/description                                                            | min    | typ    | max    | units |
|---------------------------|-----------------------------------------------------------------------------------|--------|--------|--------|-------|
| rated voltage             |  |        | 12     |        | Vp-p  |
| operating voltage         |                                                                                   | 1      |        | 30     | Vp-p  |
| current consumption       | at rated voltage, 2,500 Hz, ½ duty square wave                                    |        |        | 15     | mA    |
| rated frequency           |                                                                                   |        | 2,500  |        | Hz    |
| sound pressure level      | at 10 cm, rated voltage, 2,500 Hz, ½ duty square wave                             | 80     |        |        | dB    |
| electrostatic capacitance | at 120 Hz                                                                         | 31,500 | 45,000 | 58,500 | pF    |
| dimensions                | Ø30.0 x 5.5                                                                       |        |        |        | mm    |
| weight                    |                                                                                   |        | 3.5    |        | g     |
| material                  | ABS                                                                               |        |        |        |       |
| terminal                  | wire leads                                                                        |        |        |        |       |
| operating temperature     |                                                                                   | -20    |        | 60     | °C    |
| storage temperature       |                                                                                   | -30    |        | 70     | °C    |
| RoHS                      | yes                                                                               |        |        |        |       |

Notes: 1. All specifications measured at 25±3°C, humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

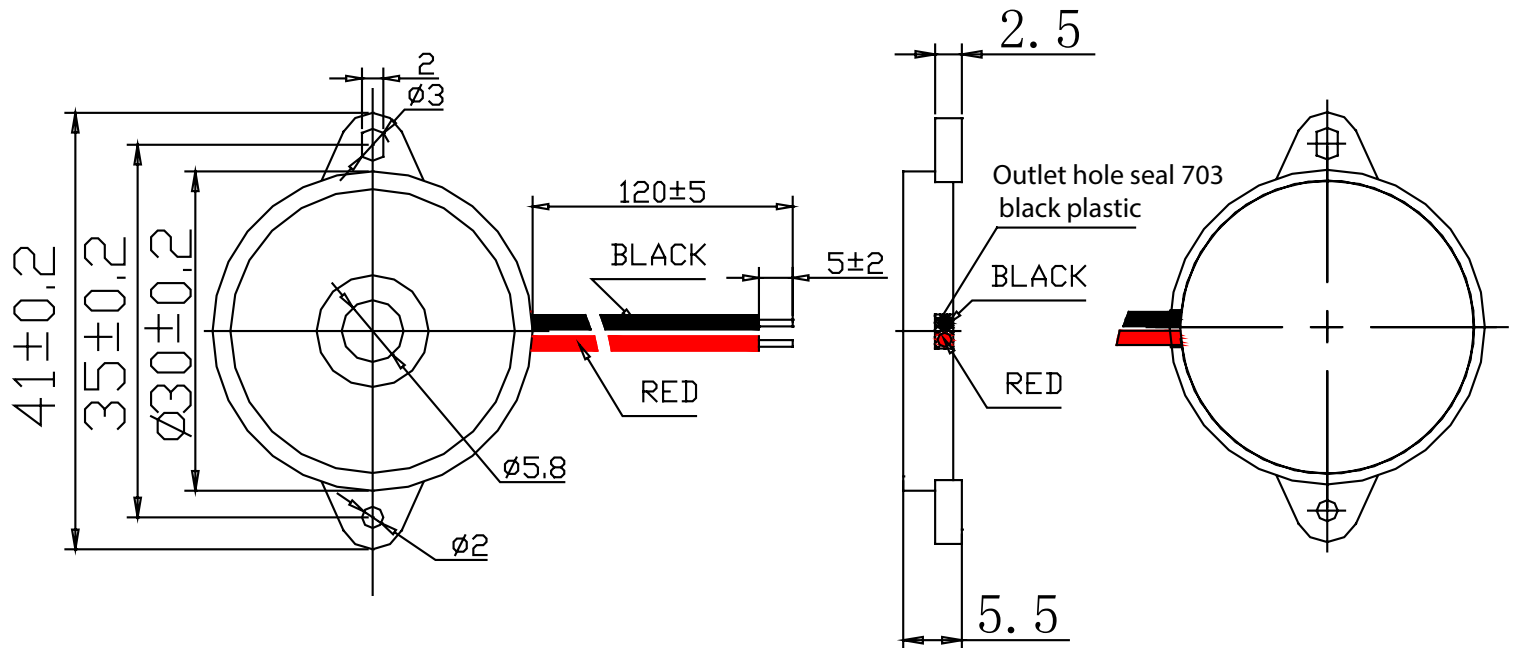
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering |                        | 370 | 380 | 390 | °C    |

## MECHANICAL DRAWING

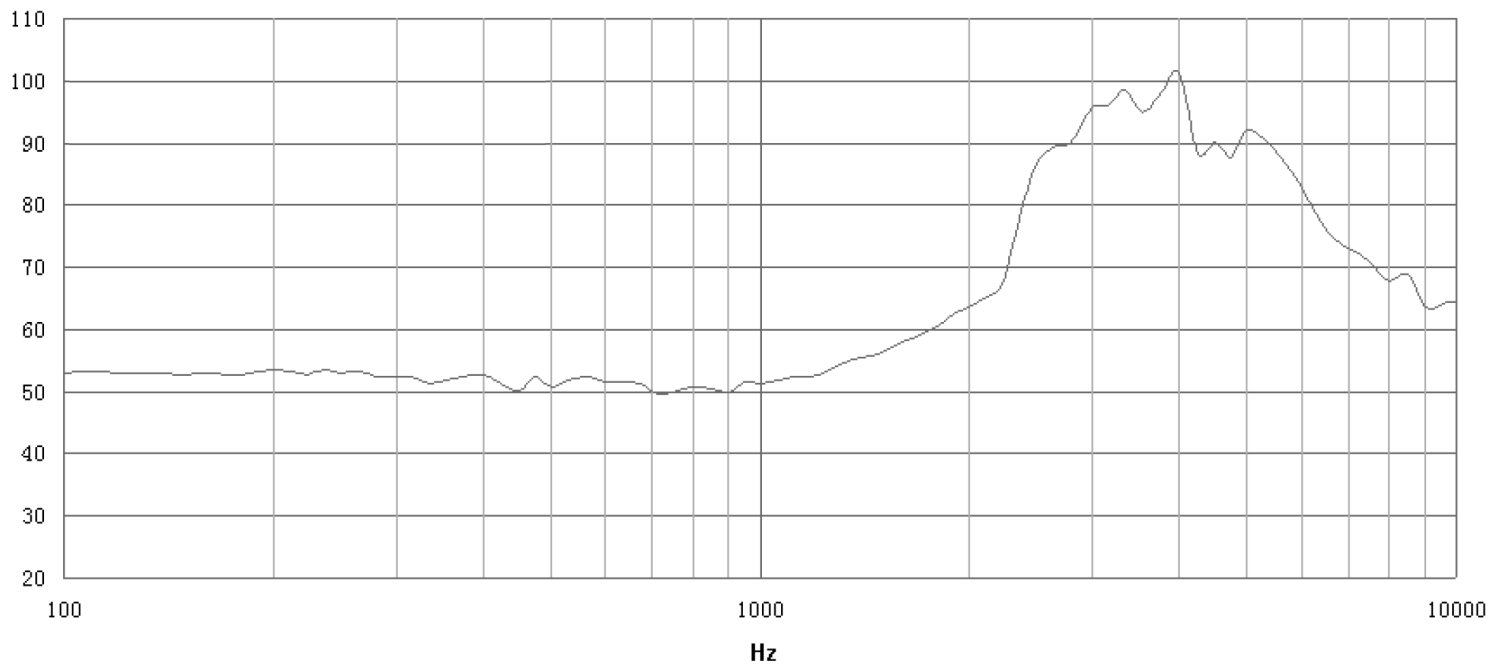
units: mm

tolerance:  $\pm 0.5$  mm

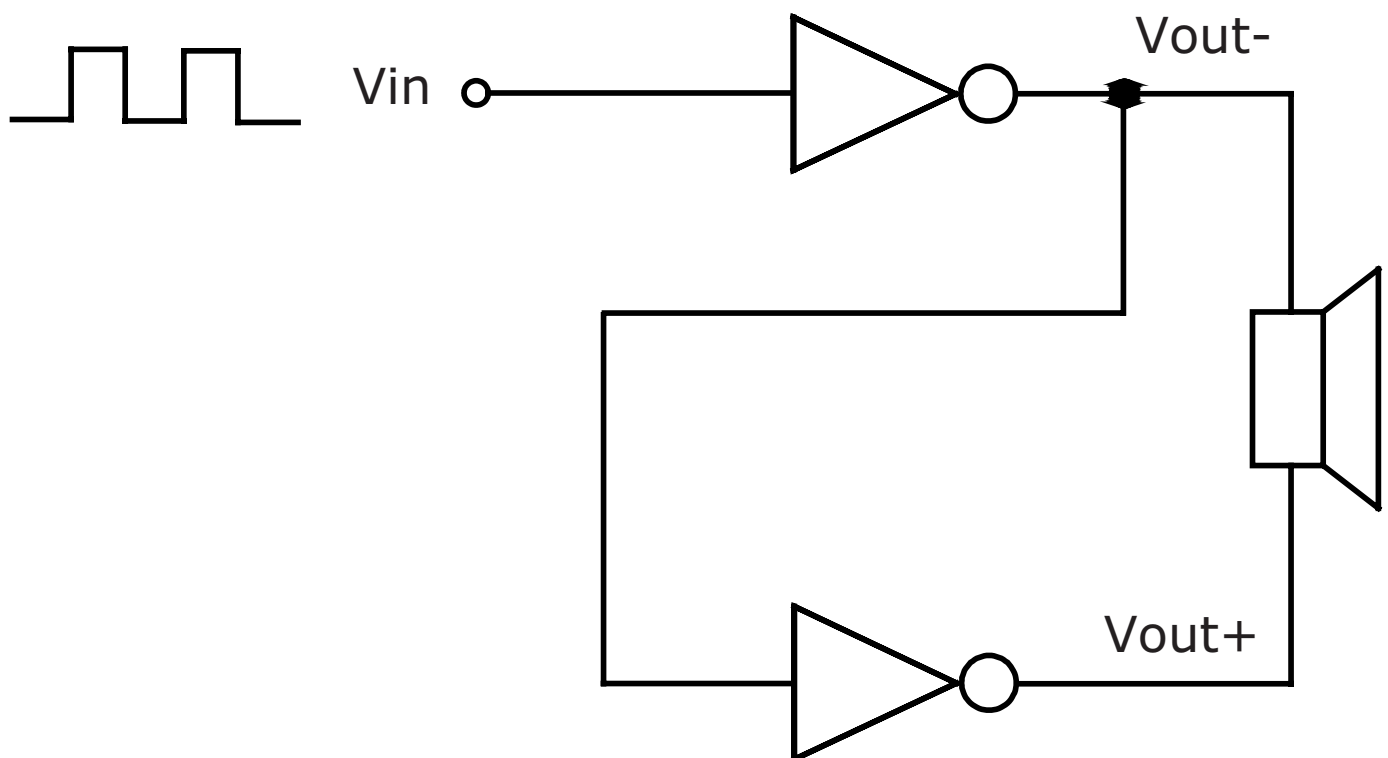
wire: UL 1095 28 AWG



## FREQUENCY RESPONSE CURVE



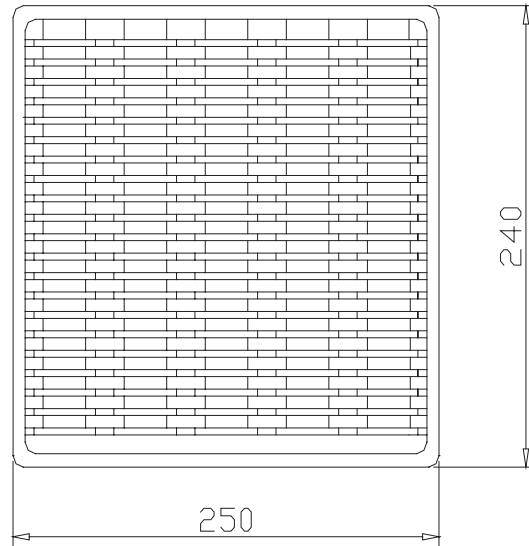
## APPLICATION CIRCUIT



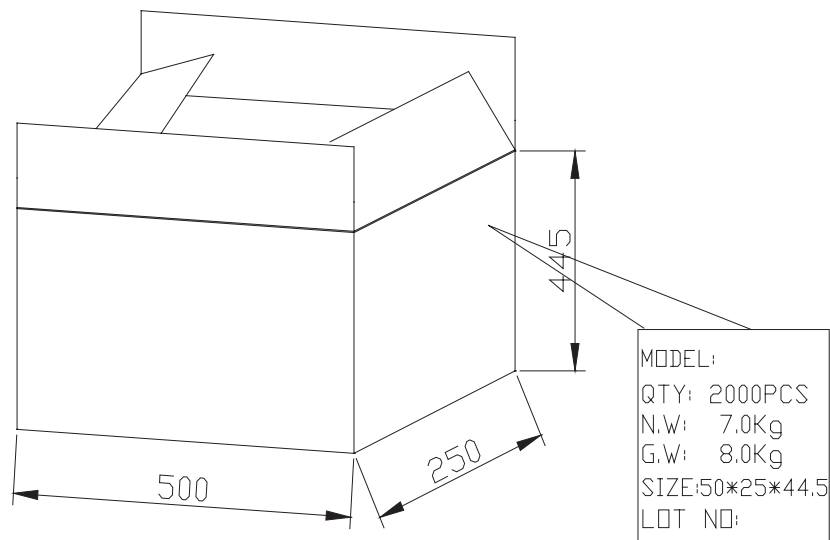
## PACKAGING

units: mm

Carton Size: 500 x 250 x 445 mm  
Carton QTY: 2,000 pcs per carton



100PCS/board



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 07/15/2019 |
| 1.01 | brand update                 | 01/03/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |

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



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

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