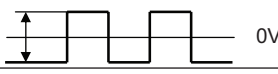


**MODEL:** CPT-1404-85T | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- low profile
- wave solder
- through hole

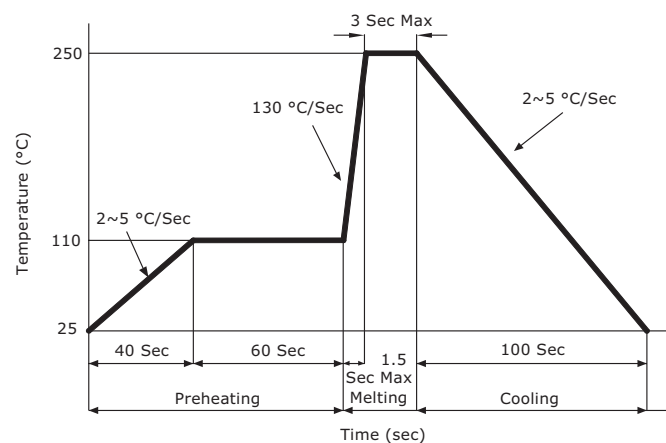
**SPECIFICATIONS**

| parameter                 | conditions/description                                                                 | min    | typ    | max    | units |
|---------------------------|----------------------------------------------------------------------------------------|--------|--------|--------|-------|
| rated voltage             | Vp-p  |        | 10     |        | Vp-p  |
| operating voltage         |                                                                                        | 1      |        | 30     | Vp-p  |
| current consumption       | at rated voltage, 4,000 Hz, ½ duty square wave                                         |        |        | 10     | mA    |
| rated frequency           |                                                                                        |        | 4,000  |        | Hz    |
| sound pressure level      | at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave                                  | 85     |        |        | dB    |
| electrostatic capacitance | at 100 Hz/1 V                                                                          | 11,200 | 16,000 | 20,800 | pF    |
| dimensions                | Ø14.0 x 4.0                                                                            |        |        |        | mm    |
| weight                    |                                                                                        |        |        | 0.7    | g     |
| material                  | PBT                                                                                    |        |        |        |       |
| terminal                  | pin [tin 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 86~106 kPa pressure, unless otherwise noted.

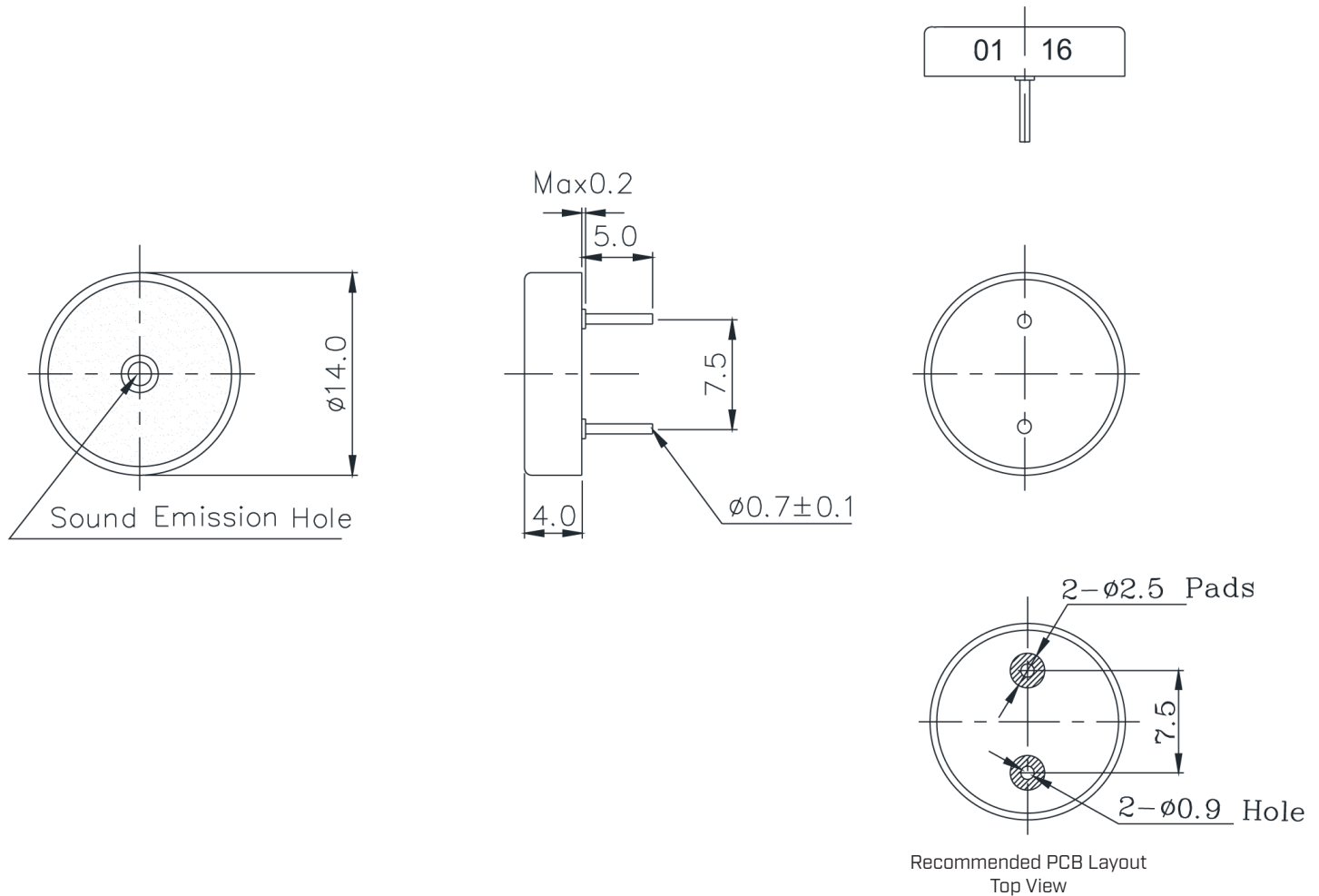
**SOLDERABILITY**

| parameter      | conditions/description                 | min | typ | max | units |
|----------------|----------------------------------------|-----|-----|-----|-------|
| wave soldering | see recommended wave soldering profile |     |     | 250 | °C    |

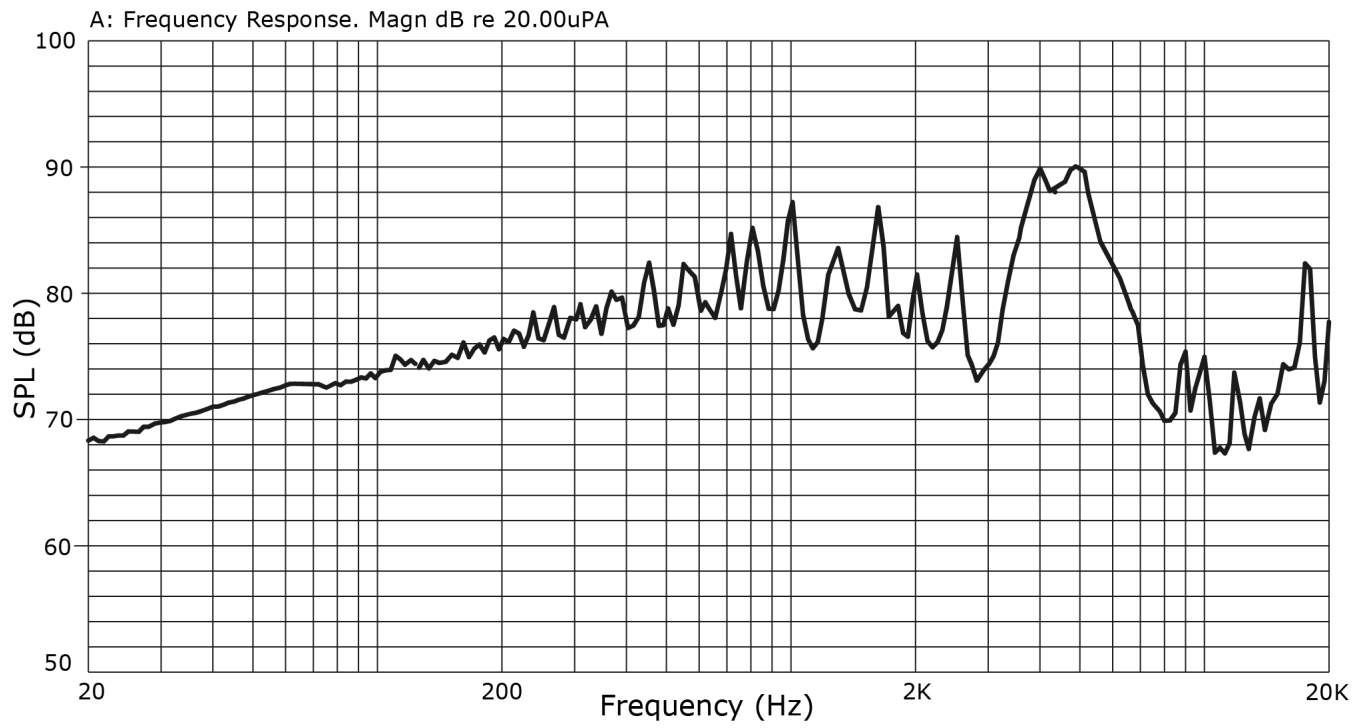


## MECHANICAL DRAWING

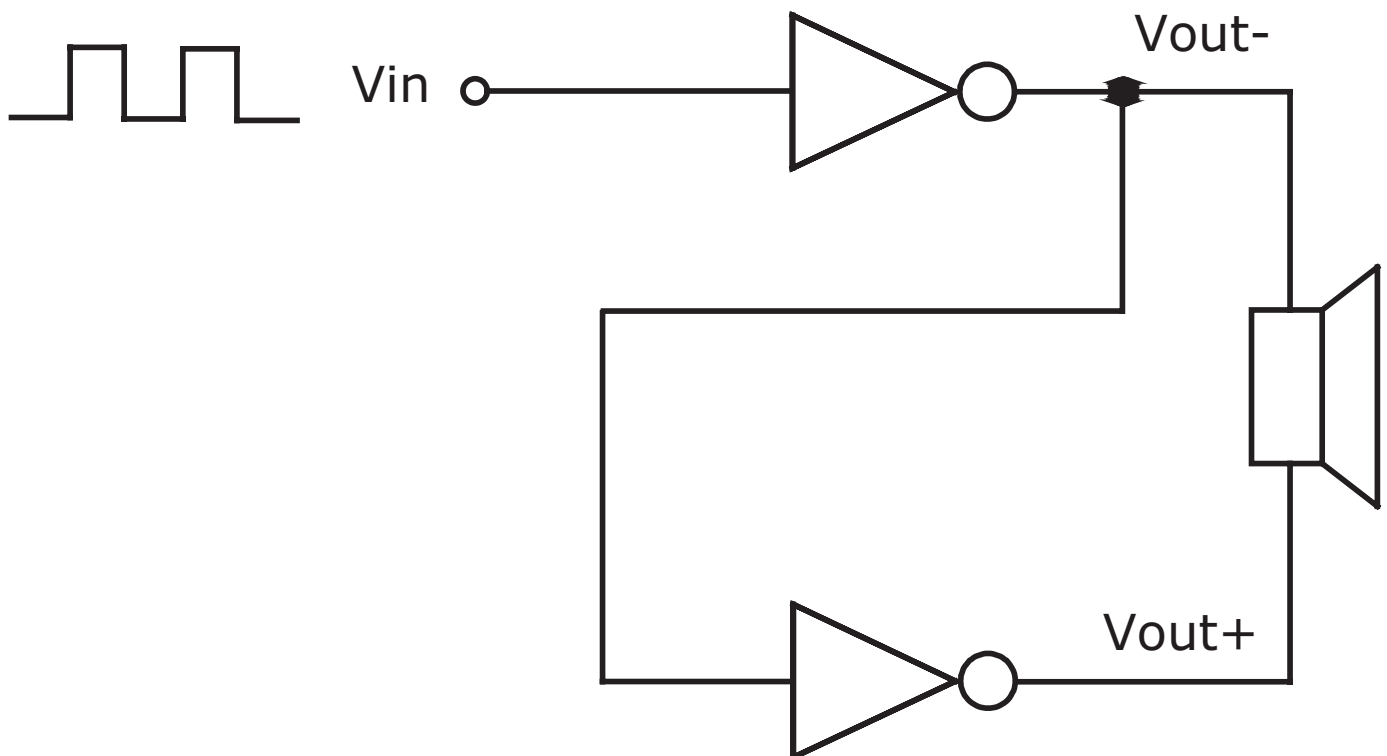
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT

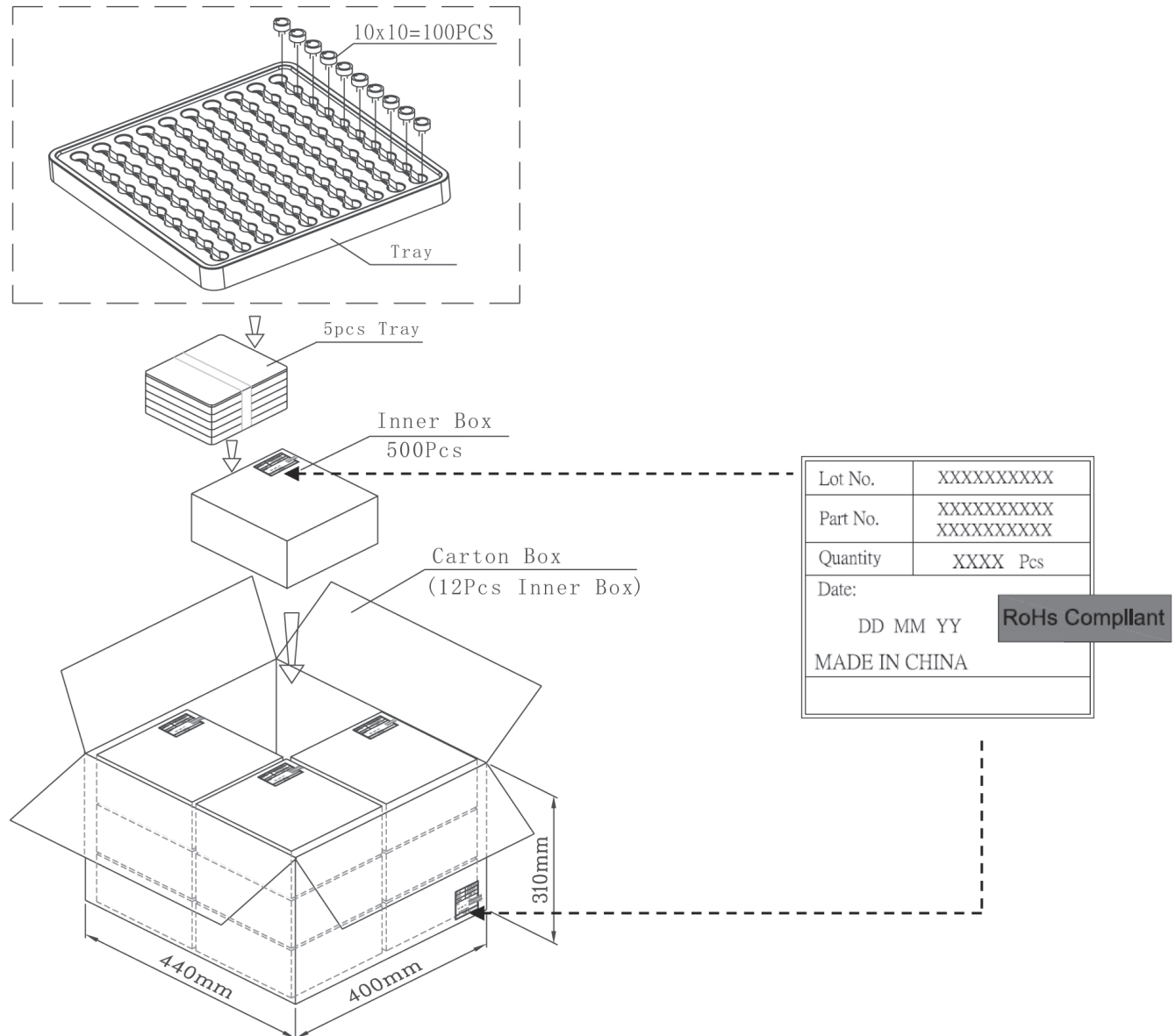


## PACKAGING

units: mm

Carton Size: 440 x 400 x 310 mm

Carton QTY: 6,000 pcs per carton



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 12/10/2019 |
| 1.01 | 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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