# **MODEL:** CPT-1626-70-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

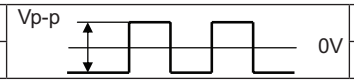
## FEATURES

- piezo
- low profile
- tape and reel



RoHS

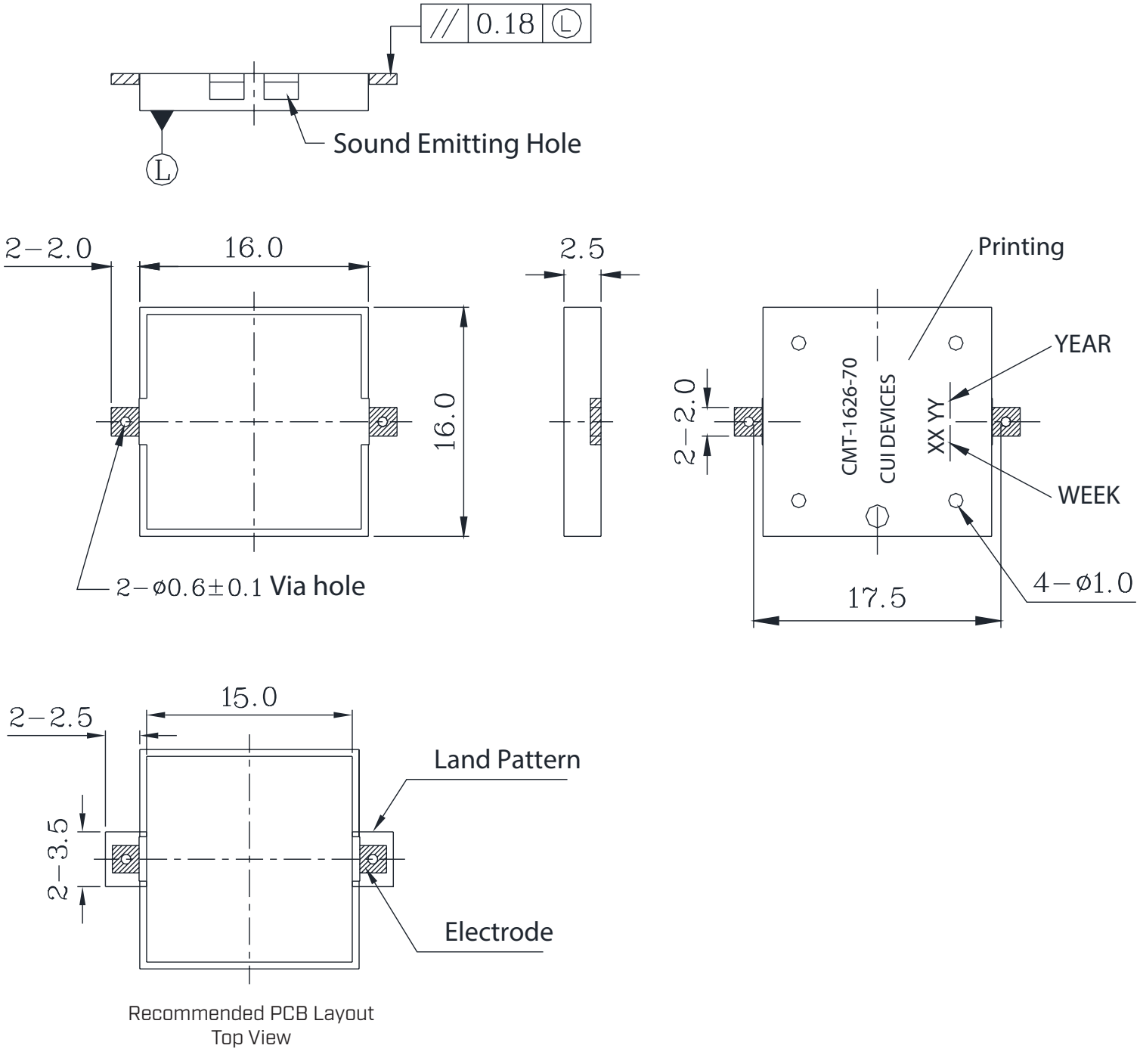
## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage |   | | 3 | | Vp-p |
| operating voltage | | | | 25 | Vp-p |
| current consumption | at rated voltage, 4,000 Hz , square wave | | | 25 | mA |
| rated frequency | | | 4,000 | | Hz |
| sound pressure level | at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave | 78 | | | dB |
| electrostatic capacitance | at 100 Hz, 1 V | 11,200 | 16,000 | 20,800 | pF |
| dimensions | 16.0 x 16.0 x 2.5 | | | | mm |
| weight | | | | 0.8 | g |
| material | LCP (white) | | | | |
| terminal | surface mount (tin plating) | | | | |
| operating temperature | | -40 | | 70 | °C |
| storage temperature | | -40 | | 85 | °C |
| washable | no | | | | |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 5~35 °C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

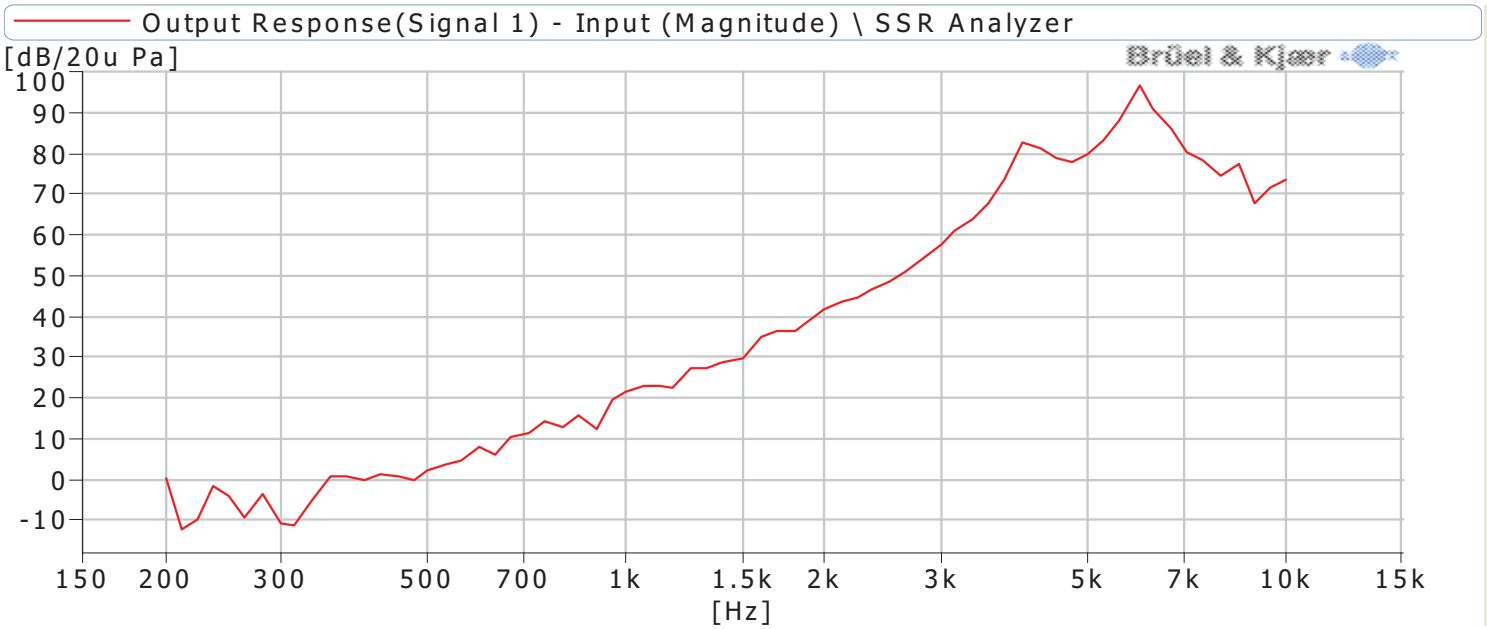
## MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm




Recommended PCB Layout
Top View

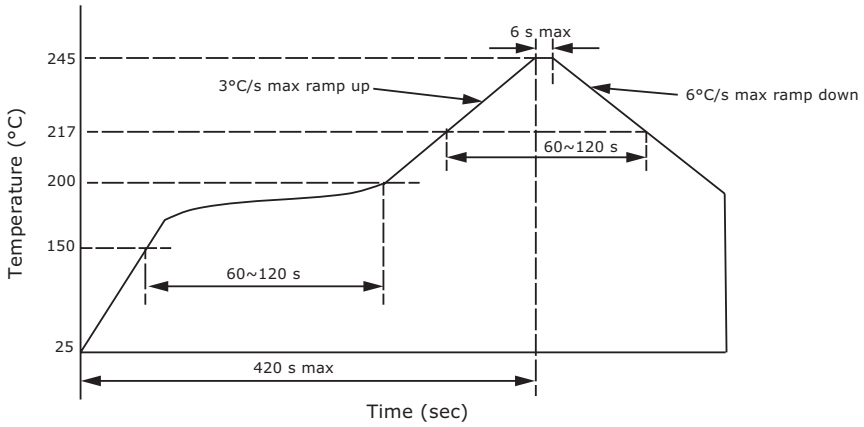
## FREQUENCY RESPONSE CURVE



## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reflow soldering[4] | as per IPC/JEDEC J-STD-020C | | 240 | 245 | °C |
| drying conditions[5] | bake at 40°C for 24 hours | | | | |

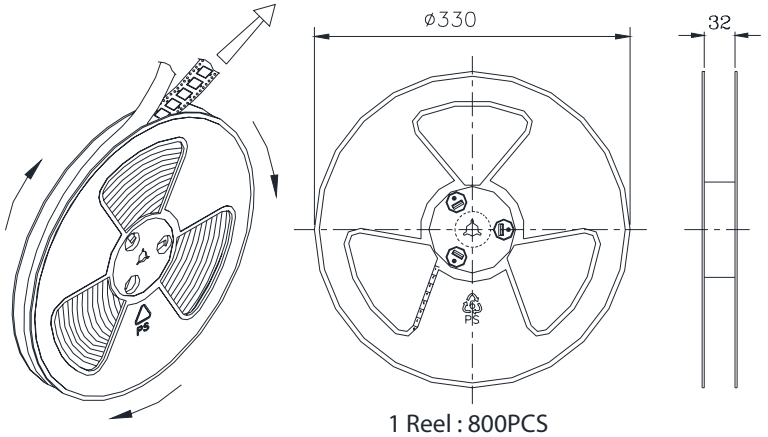
Note:
2. Not suitable for wash process.
3. It is recommended to reflow solder only once.
4. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
5. When out of packaging for more than 48 hours.

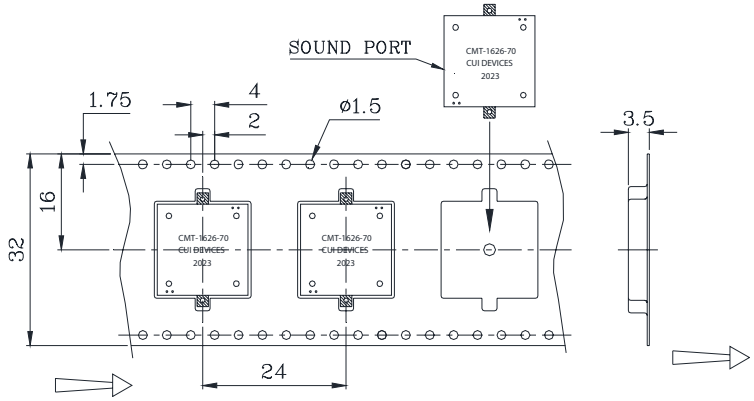



## PACKAGING

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage[6] | at relative humidity 15~85% | -10 | | 40 | °C |
| MSL | Class 5 | | | | |
| reel QTY | 800 | | | | |
| carton QTY | 6,400 | | | | |

Note:
6. Recommended floor life (out of sealed bag) at <30°C, 60%RH is 48 hours.



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 12/19/2023 |

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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