CUDEVICES



# **MODEL:** CPT-2510-28-85T | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

## FEATURES

- 24 Vdc rated
- 85 dB
- continuous tone
- feedback pin



RoHS

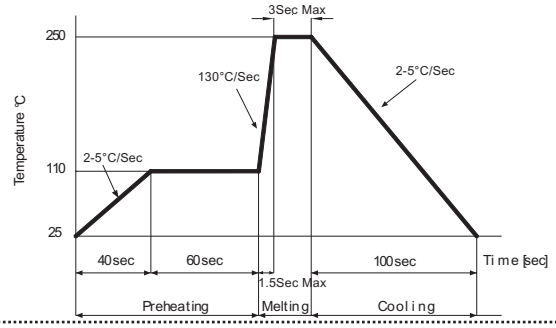
## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage | | | 24 | | Vdc |
| operating voltage | | 3 | | 28 | Vdc |
| current consumption | at rated voltage | | | 27 | mA |
| rated frequency | | 2,500 | 3,000 | 3,500 | Hz |
| sound pressure level | at 30 cm, rated voltage, 3.0 kHz | 85 | | | dB |
| tone | continuous | | | | |
| electrostatic capacitance | at 120 Hz, 1 V | 28,000 | 40,000 | 52,000 | pF |
| dimensions | Ø25.2 x 9.5 | | | | mm |
| weight | | | | 2.5 | g |
| material | PBT+30% glass (black) | | | | |
| terminal | pin type (tin plating) | | | | |
| operating temperature | | -30 | | 85 | °C |
| storage temperature | | -40 | | 85 | °C |
| washable | no | | | | |
| RoHS | yes | | | | |

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

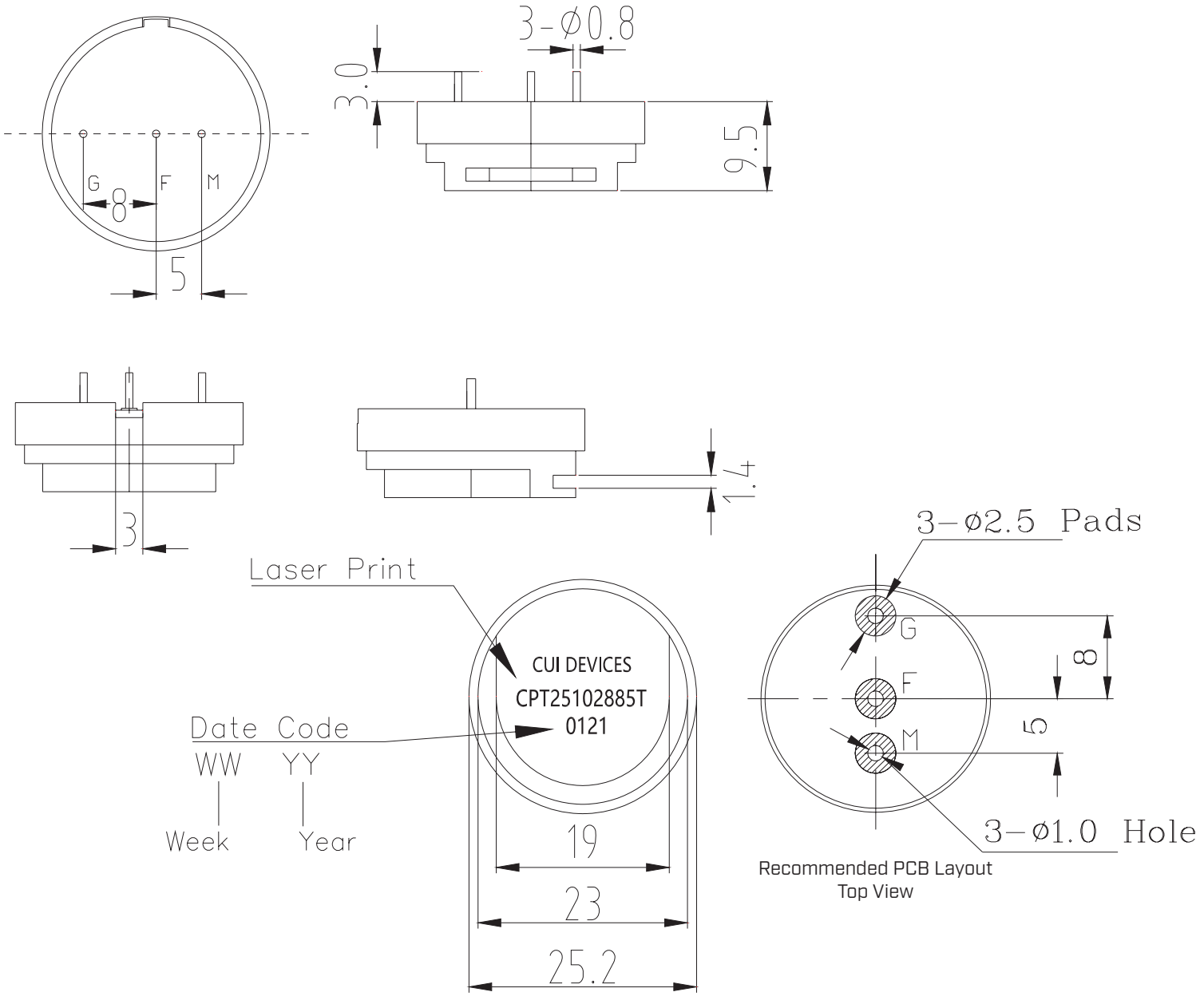
## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for maximun 2 seconds | 330 | | 380 | °C |
| wave soldering | see wave soldering profile | | | 250 | °C |



## MECHANICAL DRAWING

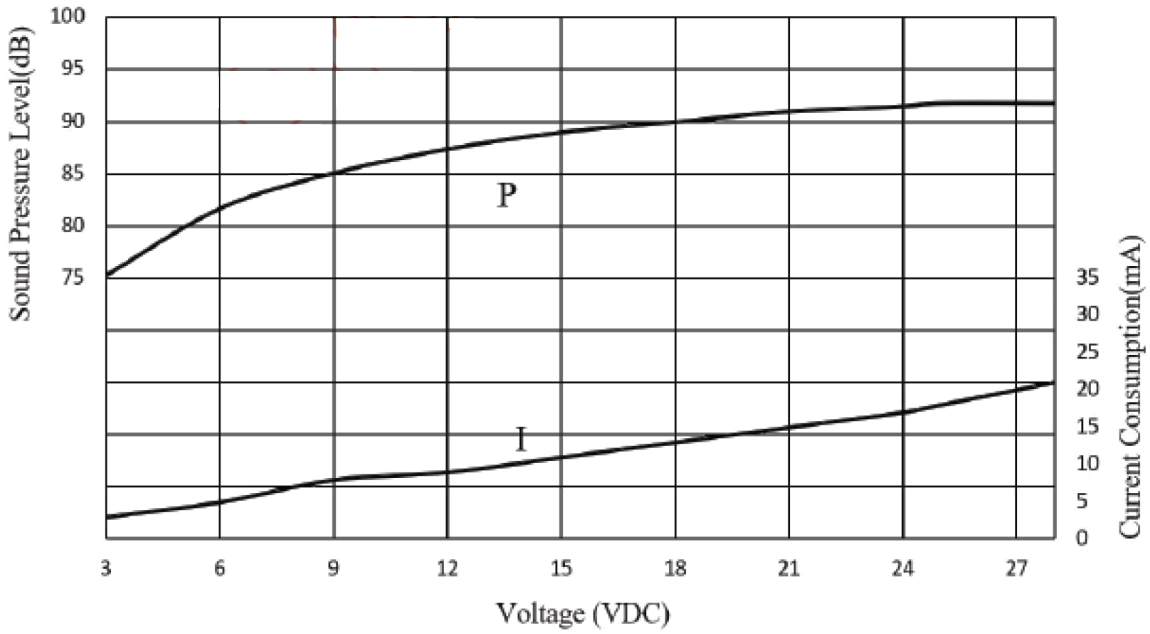
units: mm
tolerance: ±0.5 mm



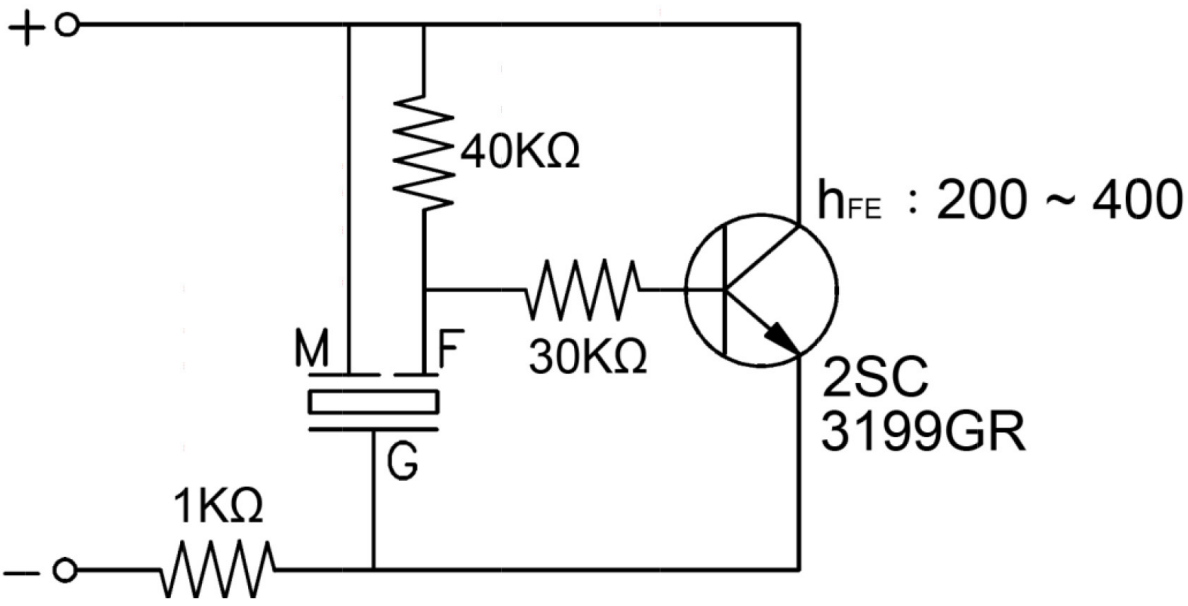

Recommended PCB Layout
Top View

## PERFORMANCE CURVES

P: Voltage vs. Sound Pressure Level
I: Voltage vs. Current Consumption
at 30 cm




## DRIVING CIRCUIT

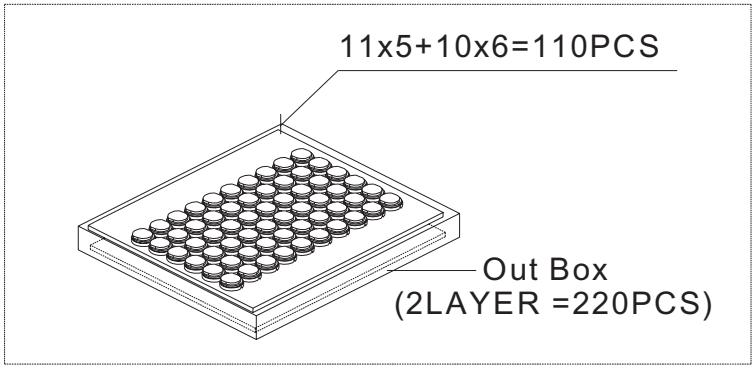



Notes: 1. The current consumption and the sound pressure level are measured by using the recommend driving circuit shown above.

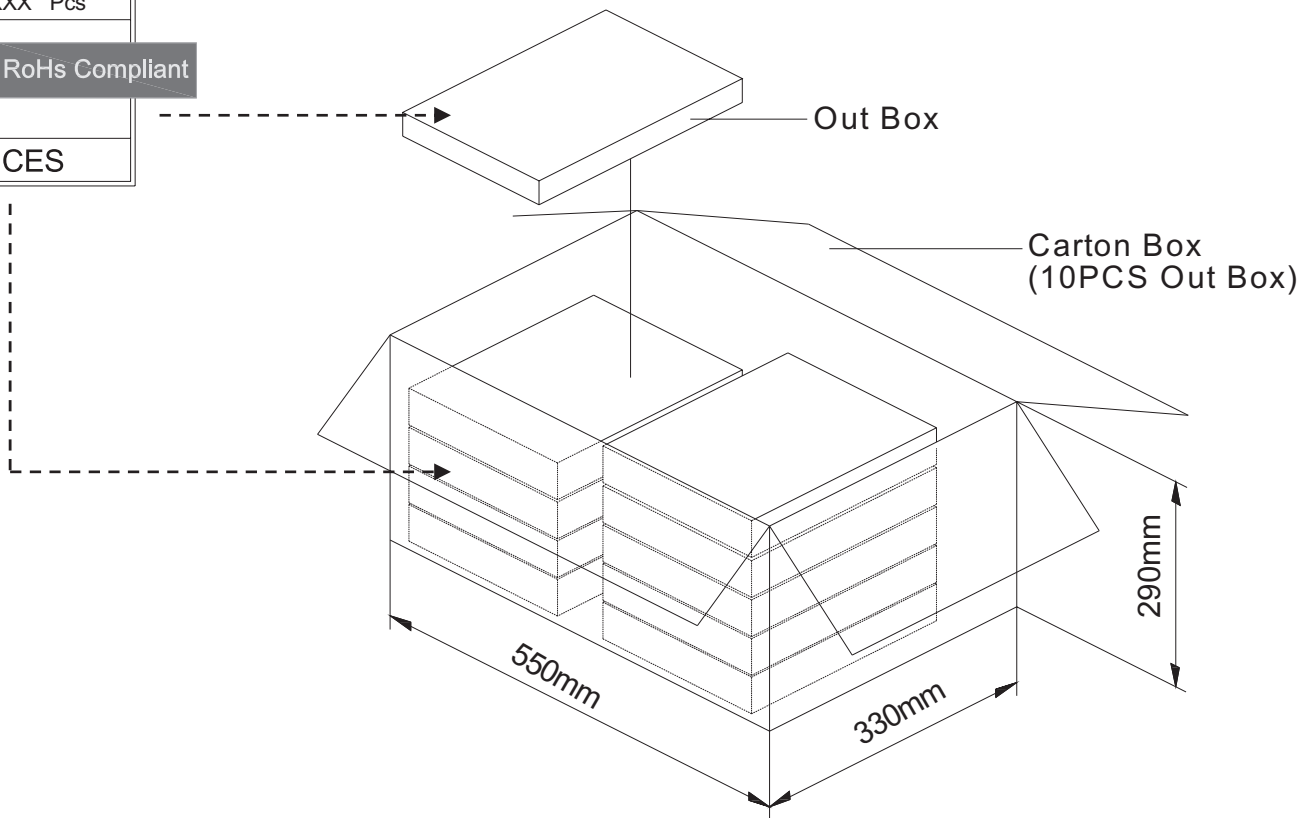
## PACKAGING

units: mm

Inner Box Size: 310 x 248 x 49 mm
Carton Box Size: 550 x 330 x 290 mm
Inner Box QTY: 110 pcs per tray
Carton Box QTY: 2,200 pcs per carton




| | |
|---|---|
| Lot No. | XXXXXXXXXX |
| Part No. | XXXXXXXXXX<br>XXXXXXXXXX |
| Quantity. | XXXX Pcs |
| Date:<br>WW YY | RoHs Compliant |
| MADE IN CHINA | |
| CUI DEVICES | |



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 11/23/2021 |
| 1.01 | 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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