CUI DEVICES



# MODEL: CEP-1153 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

## FEATURES

- piezo transducer
- 30 Vp-p operating voltage
- wide operating temperature range

RoHS

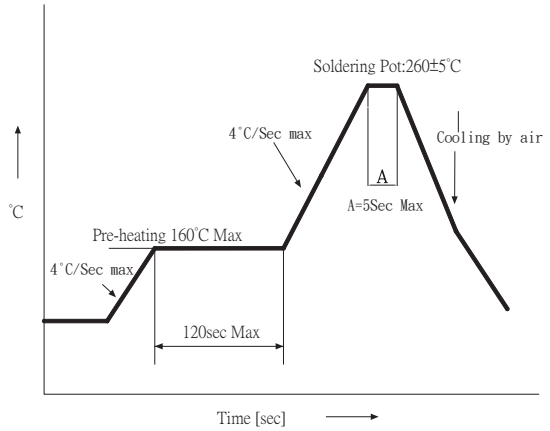
## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| operating voltage | | | | 30 | Vp-p |
| current consumption | at 10 Vp-p, 4,000 Hz square wave | | | 7 | mA |
| rated frequency | | | 4,000 | | Hz |
| sound pressure level | at 10 cm, 10 Vp-p, 4,000 Hz square wave | 82 | | | dB |
| electrostatic capacity | at 1 kHz/1 V | 9,800 | 14,000 | 18,200 | pF |
| dimensions | Ø17.0 x 7.6 | | | | mm |
| weight | | | | 3.4 | g |
| material | PBT+15% GF (black) | | | | |
| terminal | pin type (Au plating) | | | | |
| operating temperature | | -30 | | 105 | °C |
| storage temperature | | -40 | | 105 | °C |
| RoHS | yes | | | | |

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

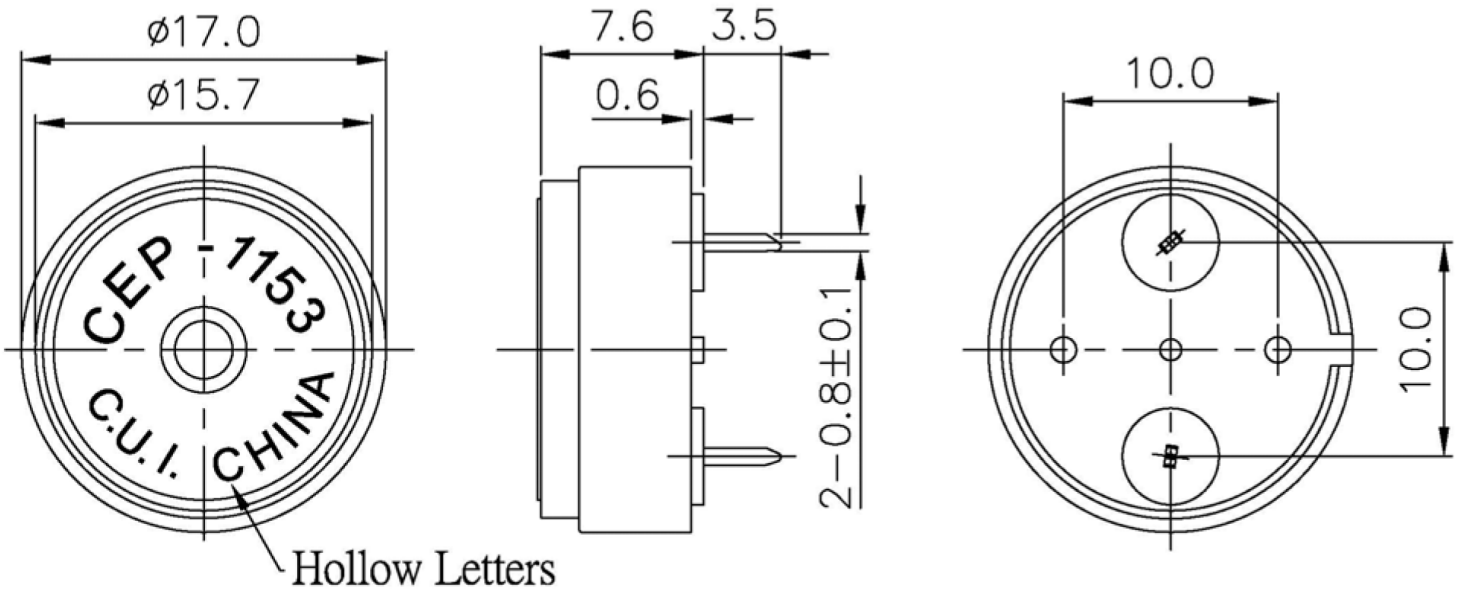
## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for maximum 2 seconds | 330 | | 380 | °C |
| wave soldering | see wave solder profile | 255 | 260 | 265 | °C |

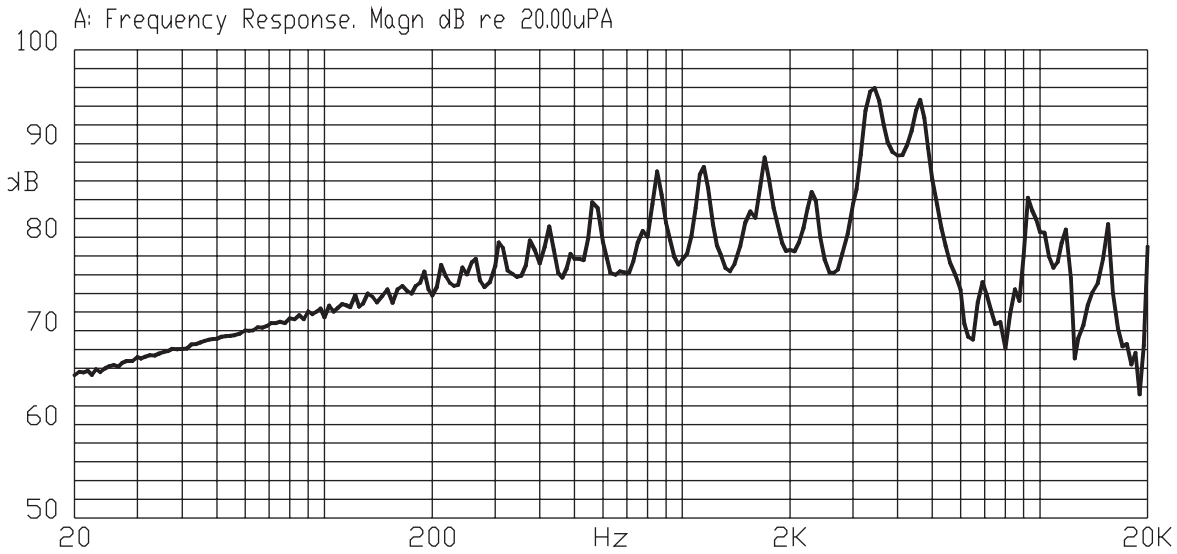


## MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



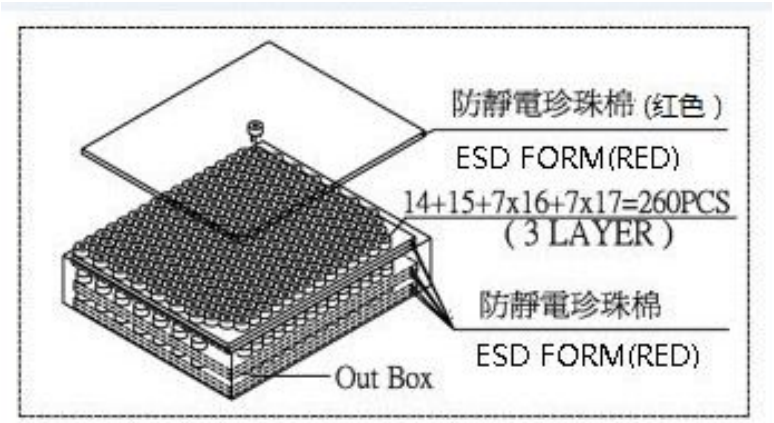

## FREQUENCY RESPONSE CURVE

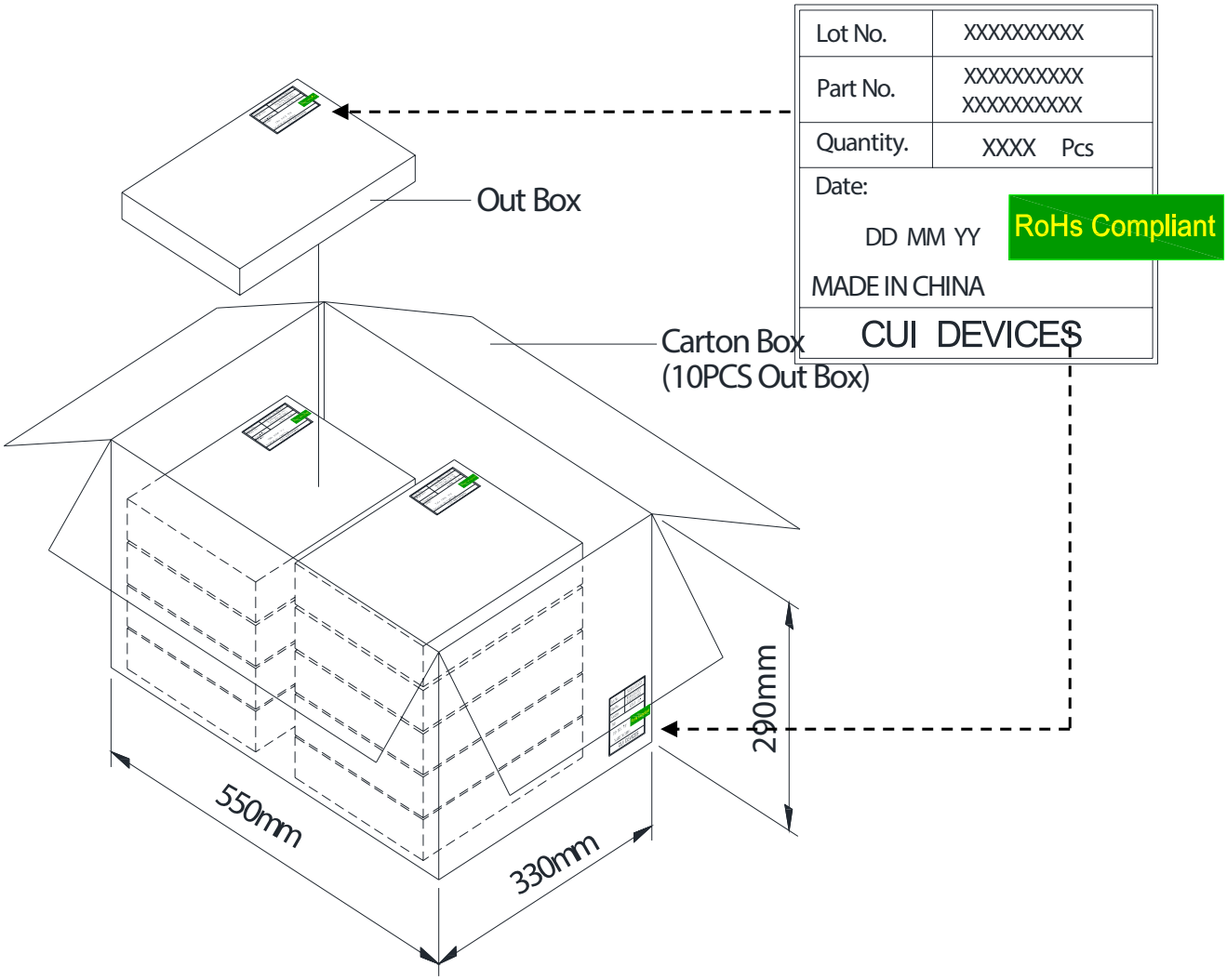


## PACKAGING

units: mm

Inner Carton Size: 310 x 248 x 49 mm
Carton Size: 550 x 330 x 290 mm
Inner Carton QTY: 780 pcs per reel
Carton QTY: 7,800 pcs per carton



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 05/11/2006 |
| 1.01 | housing appearance modified, applied new spec template | 05/15/2015 |
| 1.02 | changed to ESD packaging | 08/30/2019 |
| 1.03 | brand update | 04/22/2020 |

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