CUDEVICES



# **MODEL:** CMS-15118D-SP | **DESCRIPTION:** SPEAKER

## FEATURES

- micro-speaker
- small footprint
- low profile
- 8 ohm impedance



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| input power | maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp in 1 cc closed box | | 0.7 | 1.0 | W |
| impedance | at 2.0 kHz | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | at 1.0 V<br>at 1.0 V in 1 cc closed box | 425<br>807.5 | 500<br>950 | 575<br>1092.5 | Hz<br>Hz |
| frequency response | output SPL ±10 dB | Fo | | 10,000 | Hz |
| sound pressure level | at 0.7 W, 0.1 m, at 1.0 kHz in 1 cc closed box | 88 | 91 | 94 | dB |
| distortion | at 1.0 kHz, 0.7 W | | | 10 | % |
| buzz, rattle, etc. | must be normal at sine wave between Fo ~ 20 kHz in 1 cc closed box | | 2.37 | | V |
| polarity | cone will move forward with positive dc current to "+" terminal | | | | |
| dimensions | 15 x 11 x 3 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| material | PPA | | | | |
| cone material | PEEK | | | | |
| terminal | solder pads | | | | |
| weight | | | 1.5 | | g |
| operating temperature | | -30 | | 75 | °C |
| storage temperature | | -40 | | 85 | °C |
| RoHS | yes | | | | |

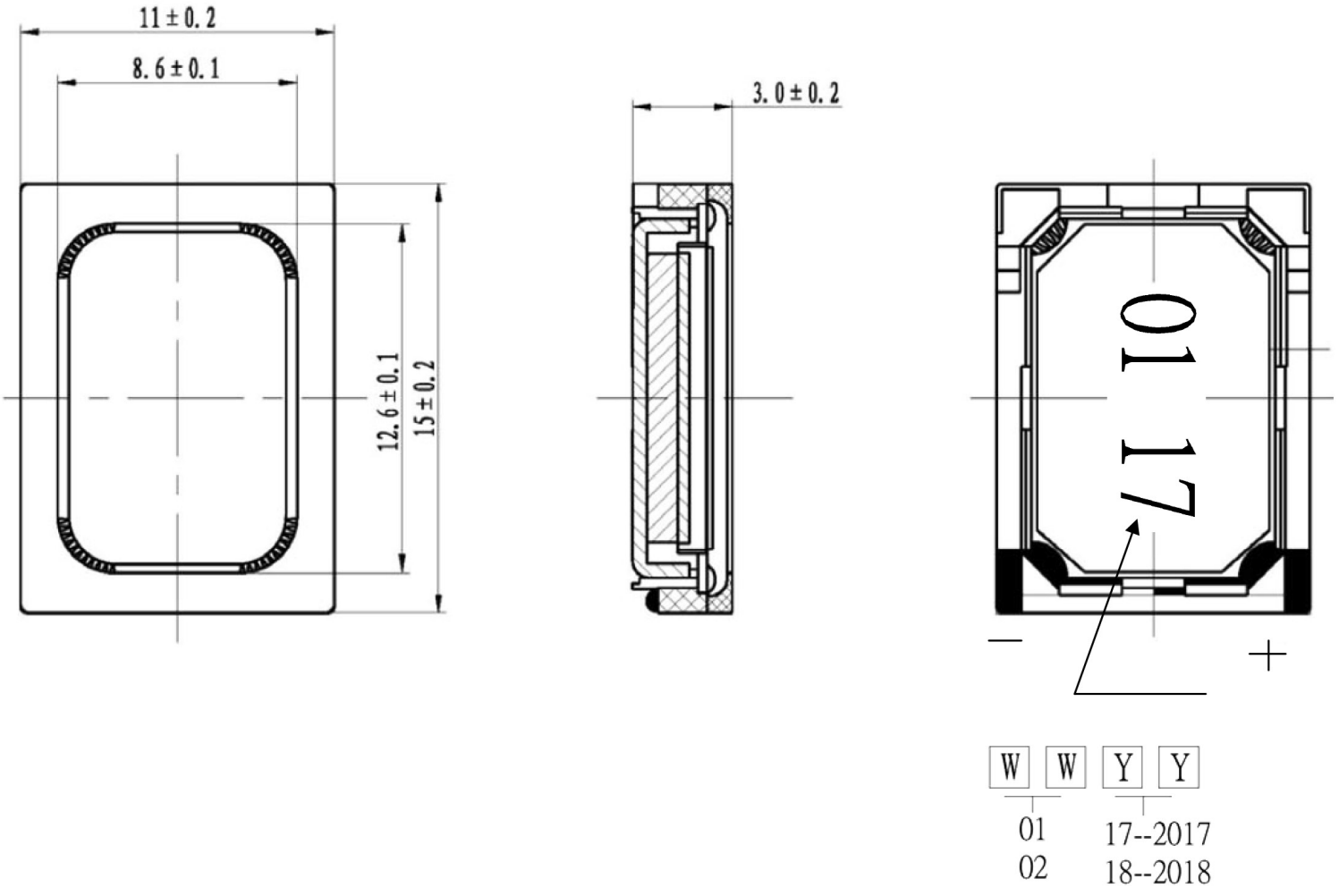
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

## SOLDERABILITY

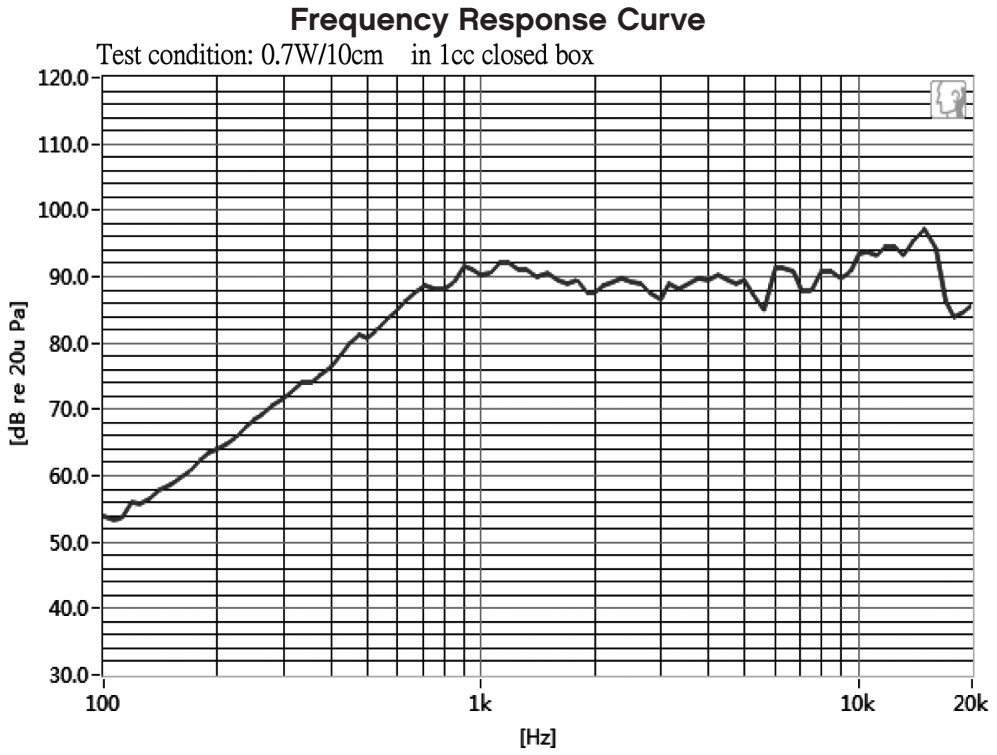
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for maximum 3 seconds | 370 | 380 | 390 | °C |

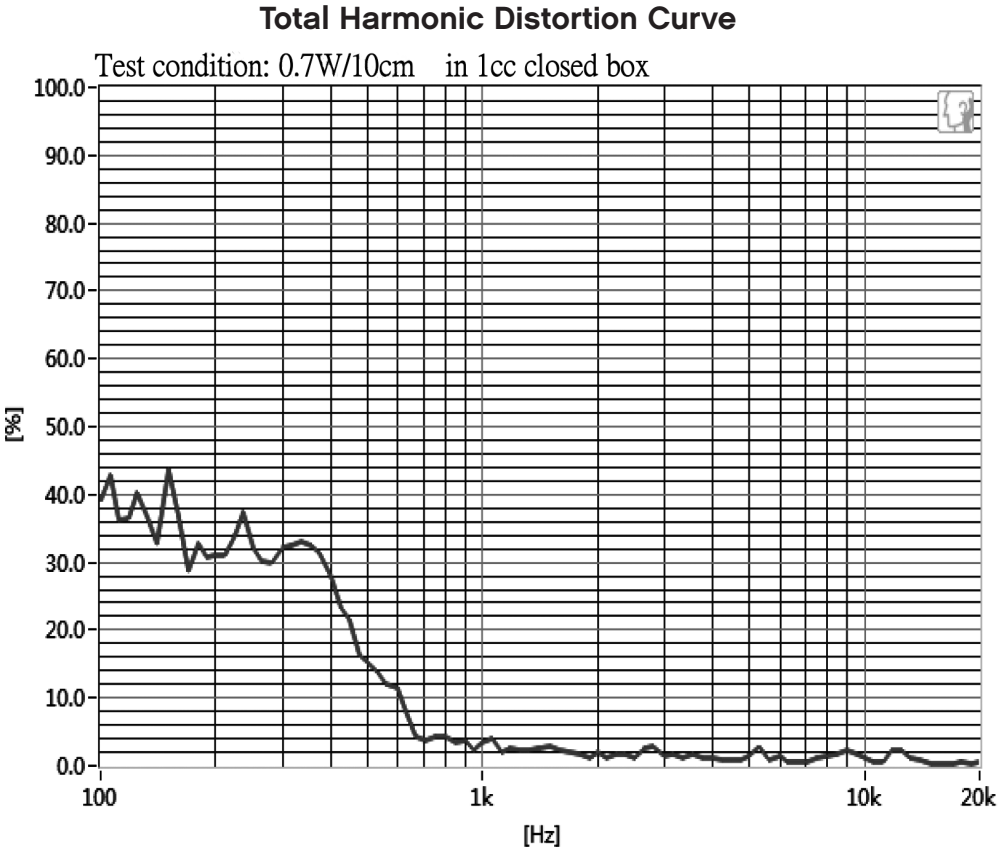
## MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm



## RESPONSE CURVES

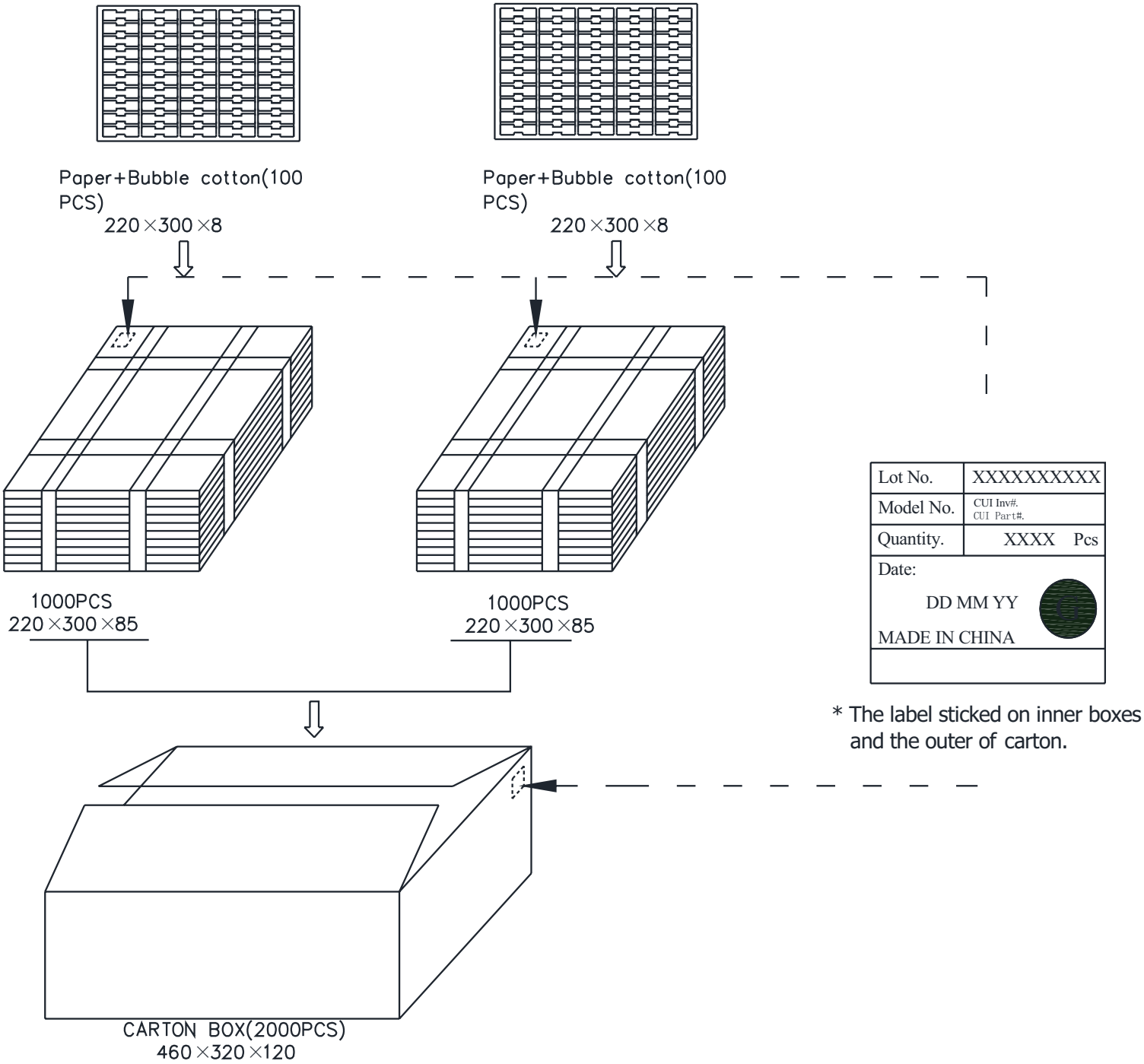


## PACKAGING

units: mm

Tray Size: 220 x 300 x 8 mm
Carton Size: 460 x 320 x 120 mm
Tray QTY: 100 pcs per tray
Carton QTY: 2,000 pcs per carton



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 07/06/2017 |
| 1.01 | brand update | 01/21/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |

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

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