

MODEL: CMS-15116-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 6 Ω impedance
- micro-speaker
- small footprint
- spring leads

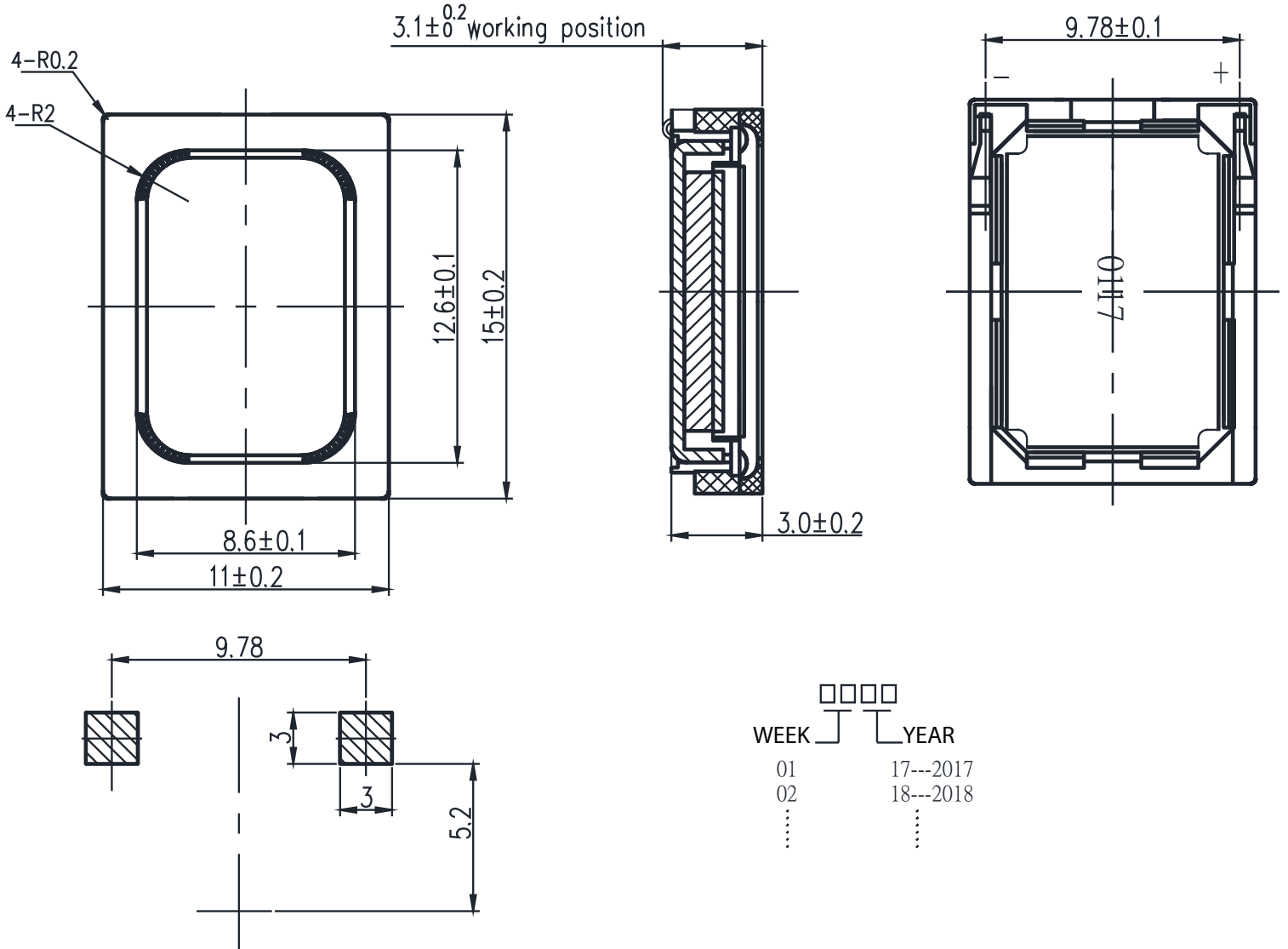
**SPECIFICATIONS**

| 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 | | 0.94 | 1.3 | W |
| impedance | at 2.0 kHz, 1.0 V | 5.1 | 6 | 6.9 | Ω |
| resonant frequency (Fo) | at 1.0 V at 1.0 V in 1cc closed box | 467.5 765 | 550 900 | 632.5 1,035 | Hz Hz |
| frequency response | output SPL \pm 10 dB | Fo | | 15,000 | Hz |
| sound pressure level | at 0.94 W, 0.1 m ave, at 1.0, 1.5, 2.0, 3.0 kHz in 1 cc closed box | 86 | 89 | 92 | dB |
| distortion | at 1.0 kHz, 0.94 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 | mylar | | | | |
| terminal | spring contact | | | | |
| weight | | | 1.4 | | g |
| operating temperature | | -30 | | 70 | $^{\circ}$ C |
| storage temperature | | -40 | | 85 | $^{\circ}$ C |
| RoHS | 2011/65/EU | | | | |

Notes: 1. All specifications measured at 5~35 $^{\circ}$ C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ± 0.2 mm

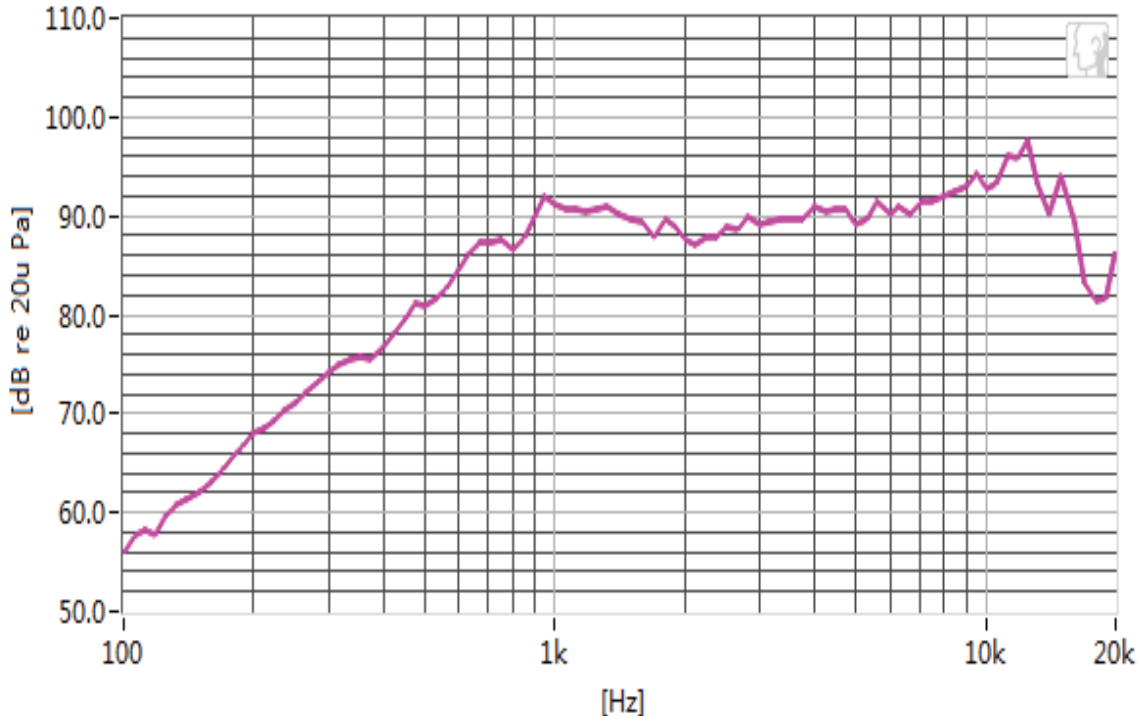


Recommended Pad Layout
Top View

RESPONSE CURVES

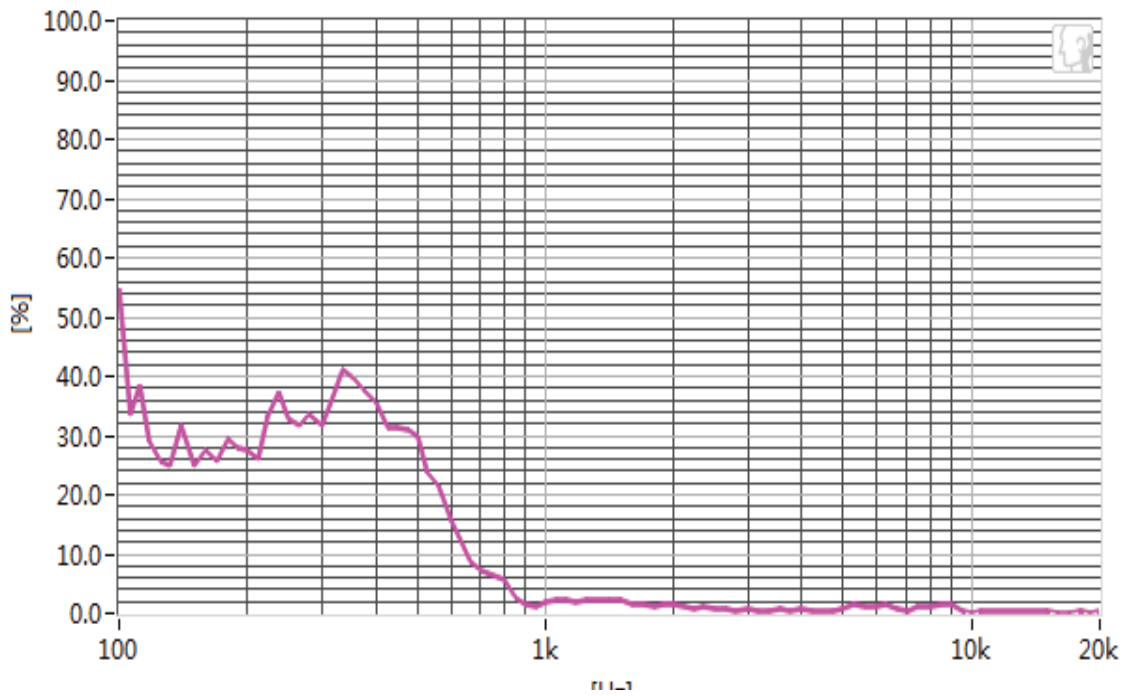
Frequency Response Curve

Test condition: 0.94W/10cm in 1cc box



Total Harmonic Distortion Curve

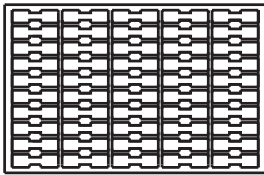
Test condition: 0.94W/10cm in 1cc closed box



PACKAGING

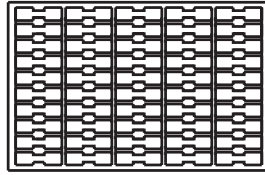
units: mm

Tray Size: 220 x 300 x 8 mm
 Inner Unit Size: 220 x 300 x 85 mm
 Carton Size: 460 x 320 x 120 mm
 Tray QTY: 100 pcs per tray
 Inner Unit QTY: 1,000 pcs per unit
 Carton QTY: 2,000 pcs per carton
 N.W.: 2.7 KGS
 G.W.: 3.95 KGS



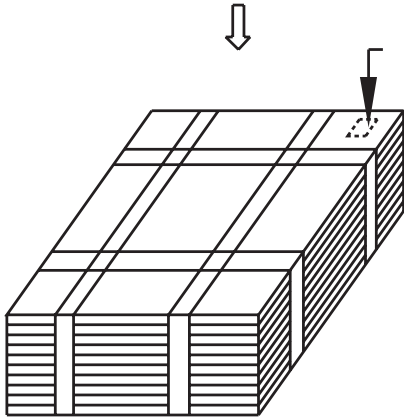
Paper+Bubble cotton(100 PCS)

220×300×8

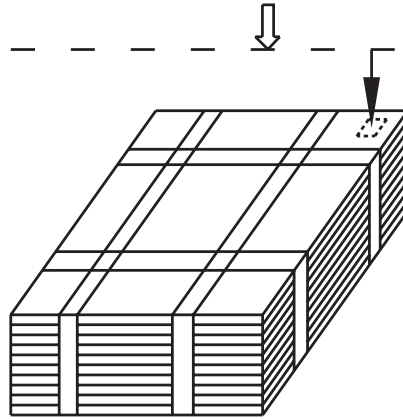


Paper+Bubble cotton(100 PCS)

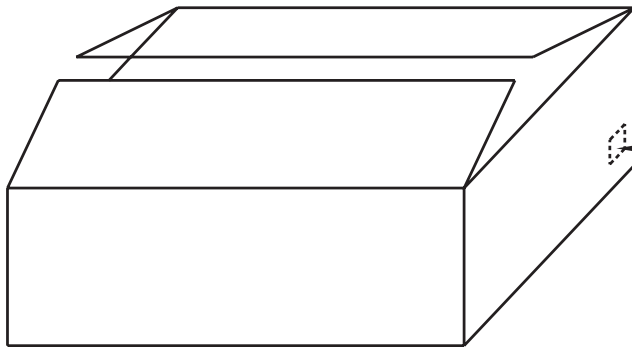
220×300×8



1000PCS
220×300×85



1000PCS
220×300×85



CARTON BOX(2000PCS)
460×320×120

| | |
|-----------|-------------------------|
| Lot No. | XXXXXXXXXX |
| Model No. | CUI Inv#: CUI Part#. |
| Quantity. | XXXX Pcs |
| Date: | DD MM YY |
| | MADE IN CHINA |
| | CUI Inc |

RoHs Compliant

* The label stuck on inner boxes and the outer of carton.

REVISION HISTORY

| rev. | description | date |
|-------------|--------------------|-------------|
| 1.0 | initial release | 08/14/2017 |
| 1.01 | updated datasheet | 12/19/2017 |

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



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