


**MODEL:** CMS-301103-154SP | **DESCRIPTION:** SPEAKER

**FEATURES**

- low profile
- 1.5 W
- solder pads

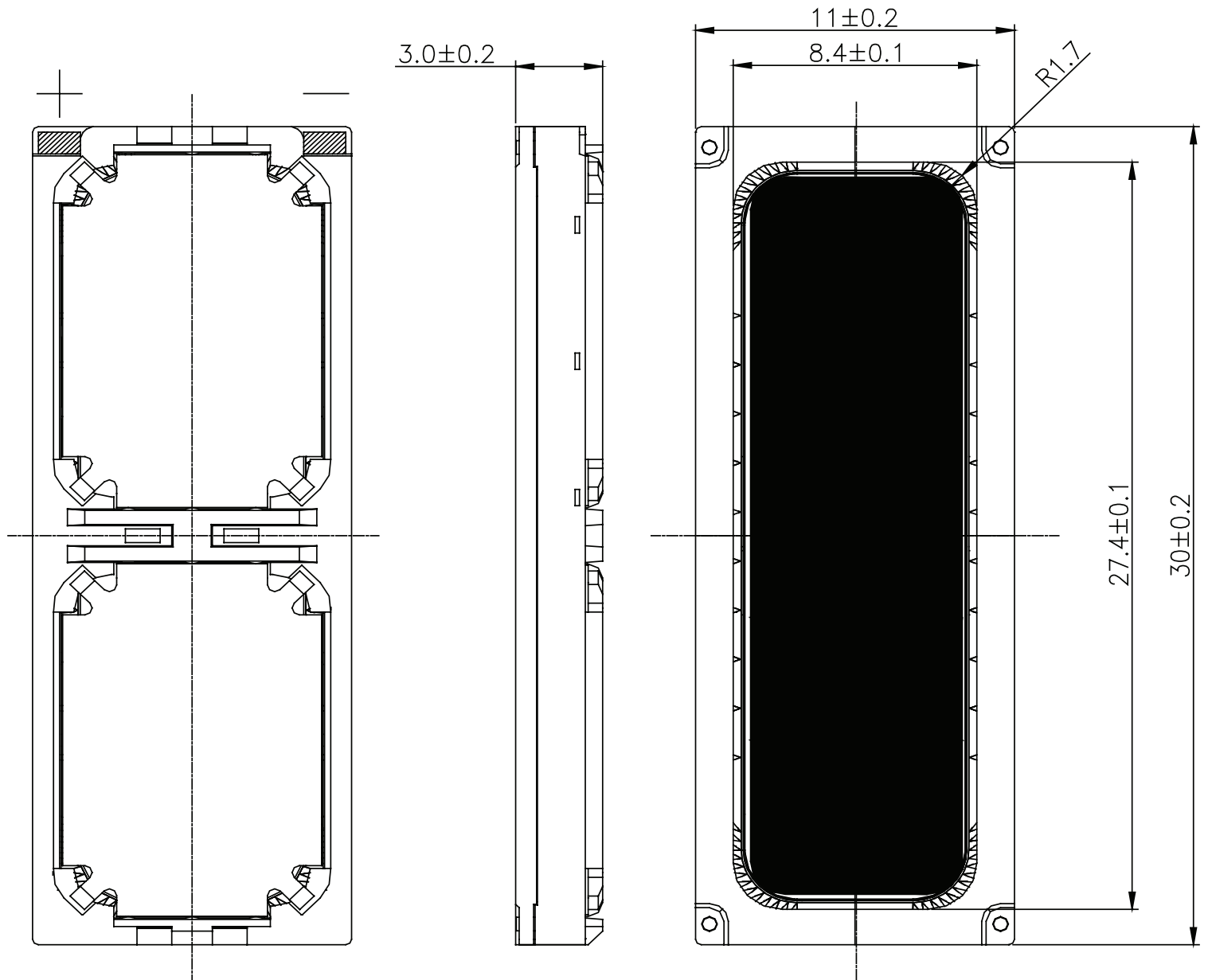

**SPECIFICATIONS**

| parameter               | conditions/description                                    | min | typ | max    | units              |
|-------------------------|---|-----|-----|--------|--------------------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles          |     | 1.5 | 2.0    | W                  |
| impedance               | at 2.0 kHz, 2.45 Vrms in 2 cc box                         | 3.4 | 4   | 4.6    | $\Omega$           |
| resonant frequency (Fo) | at 2.45 Vrms in 2 cc box                                  | 680 | 850 | 1,020  | Hz                 |
| frequency response      |   | 500 |     | 20,000 | Hz                 |
| sound pressure level    | at 1.5 W, 10 cm, 2.0 kHz in 2 cc box                      | 92  | 95  | 98     | dB                 |
| distortion              | at 1.0 kHz, 1 W, 10 cm in 2 cc box                        |     |     | 10     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave between 200 Hz ~ 2 kHz        |     |     | 2.45   | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |     |     |        |                    |
| dimensions              | 30 x 11 x 3   |     |     |        | mm                 |
| magnet                  | Nd-Fe-B   |     |     |        |                    |
| frame material          | PPA   |     |     |        |                    |
| cone material           | PEEK (black)  |     |     |        |                    |
| terminal                | solder pads   |     |     |        |                    |
| weight                  |   |     | 3.1 |        | g                  |
| operating temperature   |   | -20 |     | 70     | $^{\circ}\text{C}$ |
| storage temperature     |   | -40 |     | 85     | $^{\circ}\text{C}$ |
| hand soldering          | for 3-5 seconds   | 370 | 380 | 390    | $^{\circ}\text{C}$ |
| RoHS                    | yes   |     |     |        |                    |

Notes: 1. All specifications measured at 15-35 $^{\circ}\text{C}$ , humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

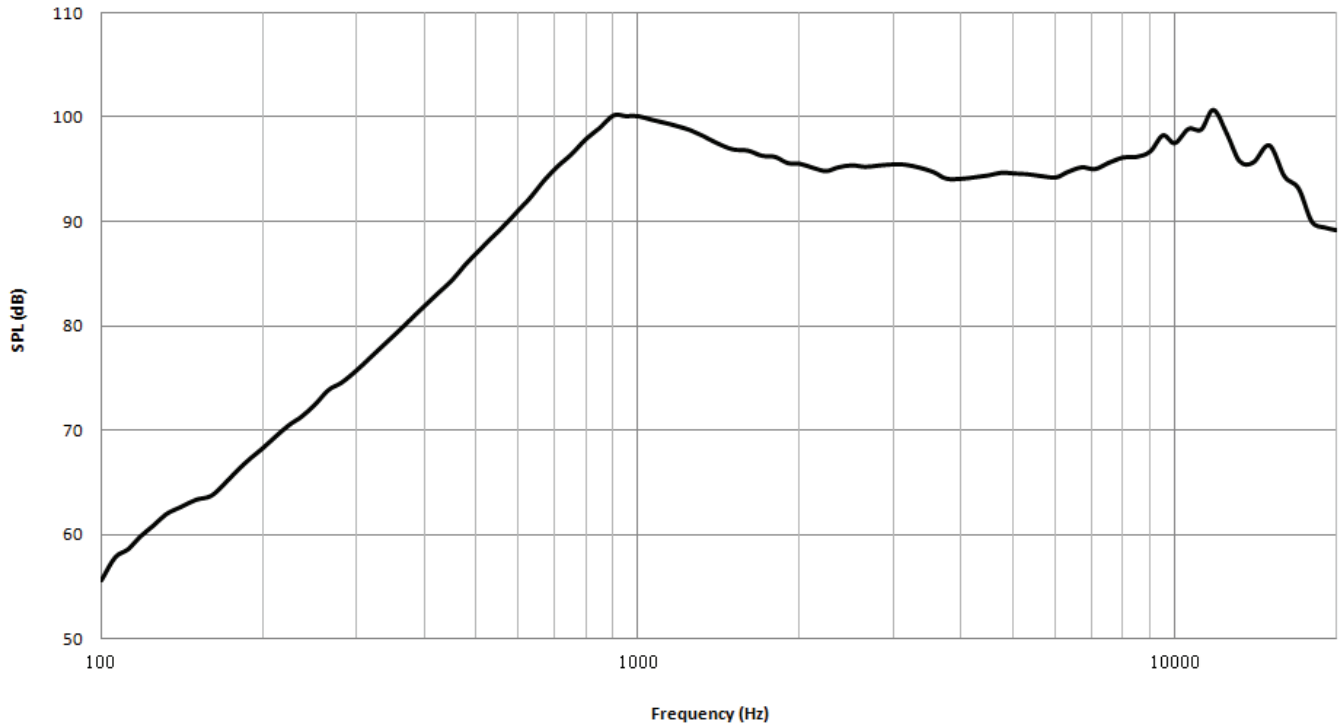
units: mm  
tolerance:  $\pm 0.2$  mm



## RESPONSE CURVES

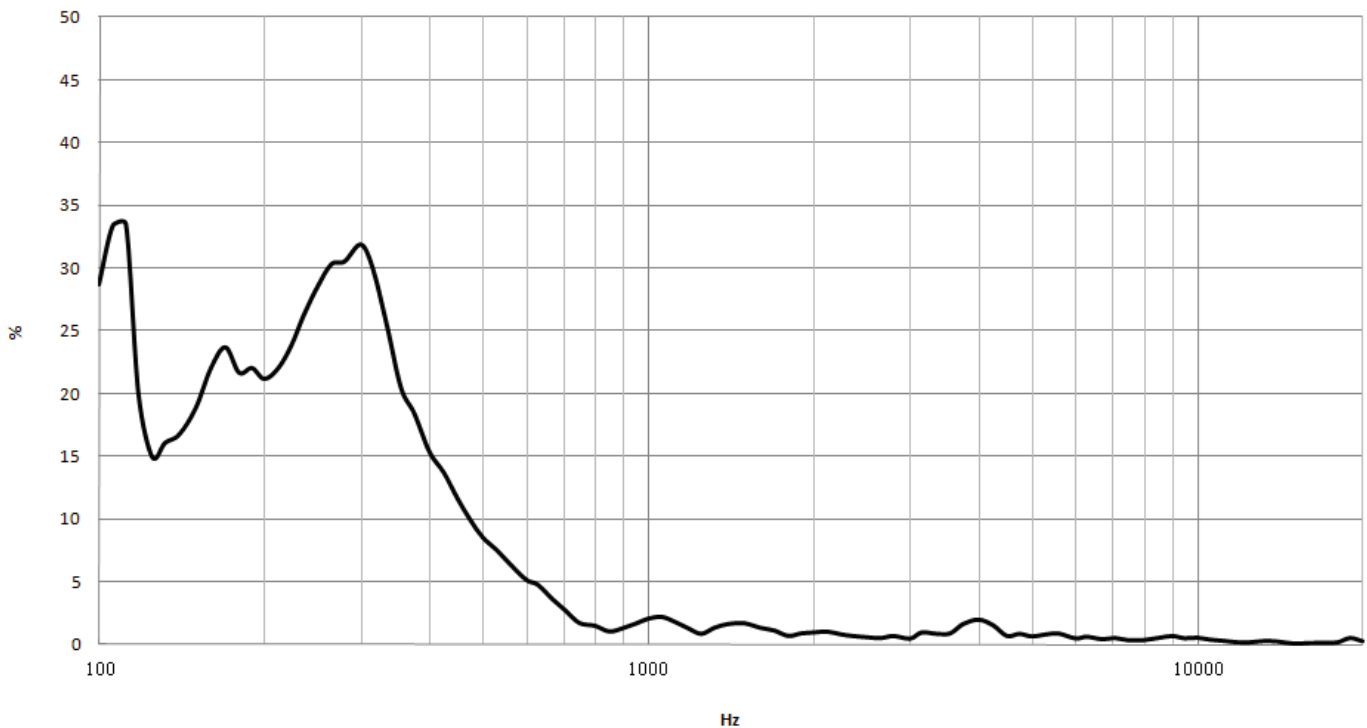
### Frequency Response Curve

Test Conditions: 1.0 W / 10 cm (in 2 cc box)



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm (in 2 cc box)



## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/07/2023 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/11/2024 |

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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