

**MODEL:** CSS-12048-208 | **DESCRIPTION:** SPEAKER**FEATURES**

- 10 W rated power
- 8 ohm rated impedance
- 90 dB at 1 W

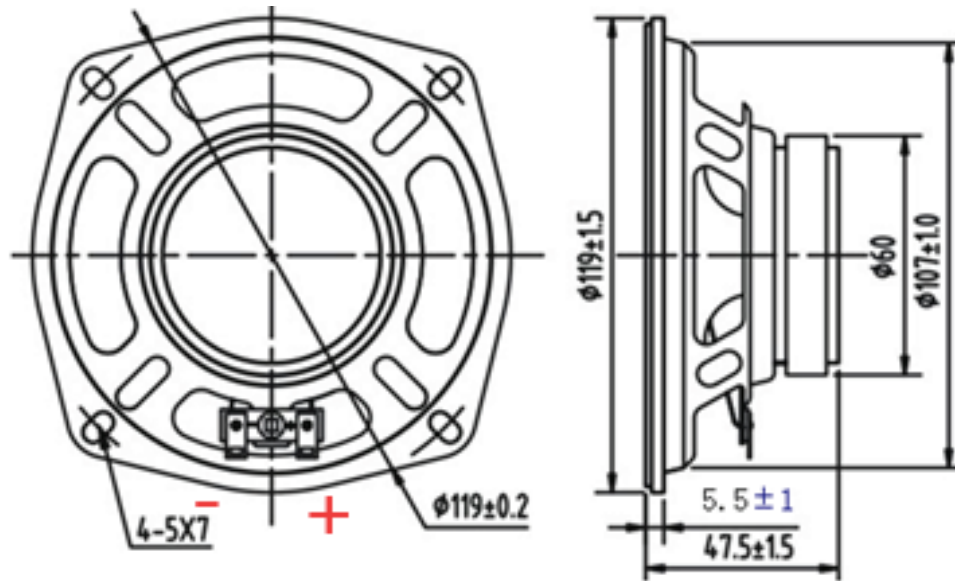
**SPECIFICATIONS**

| parameter               | conditions/description                                         | min | typ  | max    | units              |
|-------------------------|----------------------------------------------------------------|-----|------|--------|--------------------|
| input power             |                                                                |     | 10.0 | 15.0   | W                  |
| impedance               | at 1.0 kHz, 1.0 V                                              | 6.8 | 8    | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                                       | 80  | 100  | 120    | Hz                 |
| frequency response      |                                                                | Fo  |      | 20,000 | Hz                 |
| sound pressure level    | at 1.0 W, 50 cm, at 1.0 kHz in baffleboard                     | 87  | 90   | 93     | dB                 |
|                         | at 10.0 W, 50 cm, at 1.0 kHz in baffleboard                    | 96  | 99   | 102    | dB                 |
| distortion              | at 1.0 kHz, 1 W, 50 cm                                         |     |      | 8      | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range between Fo-10 kHz |     |      | 12.60  | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal      |     |      |        |                    |
| dimensions              | $\varnothing 119 \times 47.5$                                  |     |      |        | mm                 |
| magnet                  | ferrite                                                        |     |      |        |                    |
| frame material          | SPCC                                                           |     |      |        |                    |
| cone material           | paper                                                          |     |      |        |                    |
| terminal                | solder terminals                                               |     |      |        |                    |
| weight                  |                                                                | 265 | 290  | 315    | g                  |
| operating temperature   |                                                                | -20 |      | 60     | $^{\circ}\text{C}$ |
| storage temperature     |                                                                | -25 |      | 70     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                                          |     |      | 380    | $^{\circ}\text{C}$ |
| 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

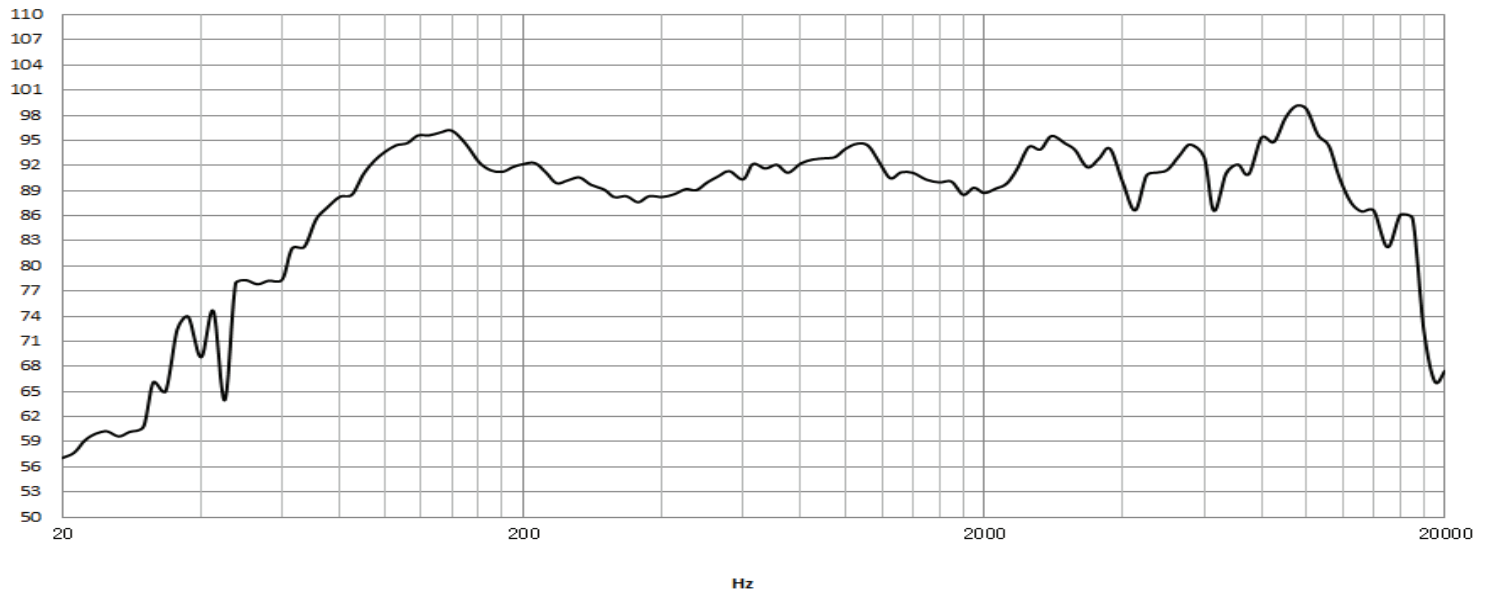
units: mm  
tolerance:  $\pm 0.5$  mm



## RESPONSE CURVES

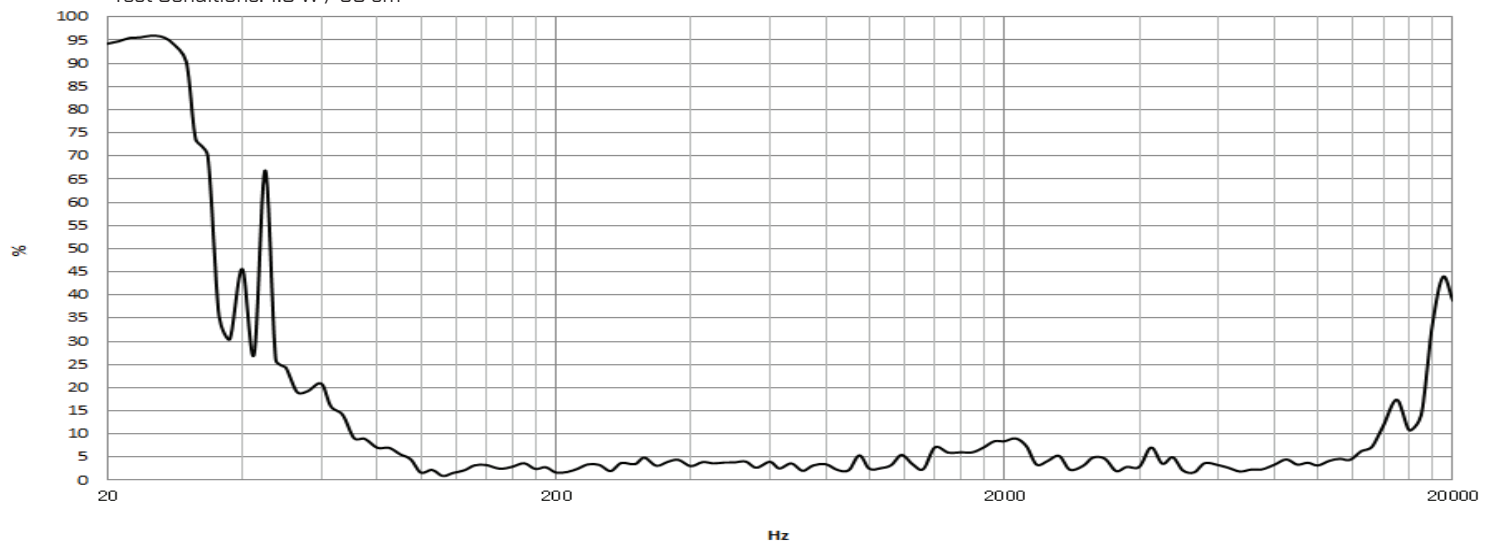
### Frequency Response Curve

Test Conditions: 1.0 W / 50 cm



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 50 cm

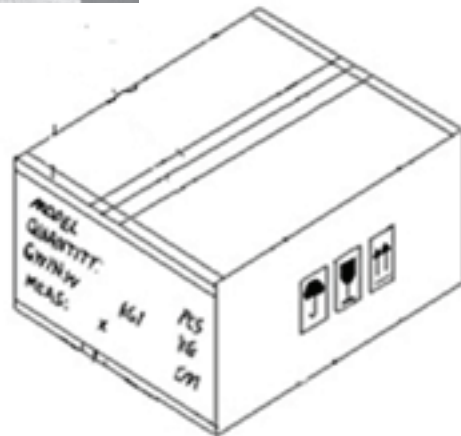
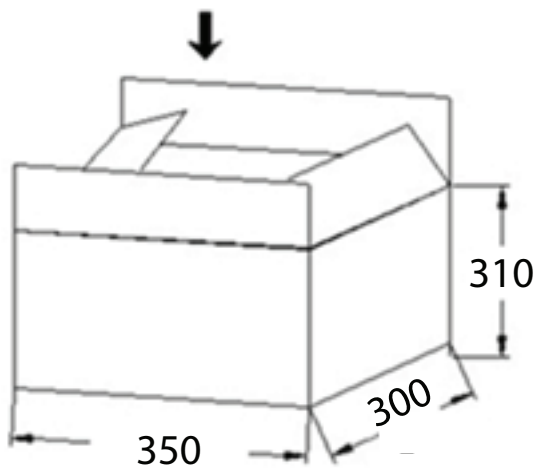


## PACKAGING

units: mm

Carton Size: 350 x 300 x 310 mm

Carton QTY: 30 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/16/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | 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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