


**MODEL:** CMSM-3116-38 | **DESCRIPTION:** SPEAKER

**FEATURES**

- compatible with IEC 60601 applications
- frame includes adhesive for mounting
- IP66 rated
- 98 dB @ 3 W/0.1 m

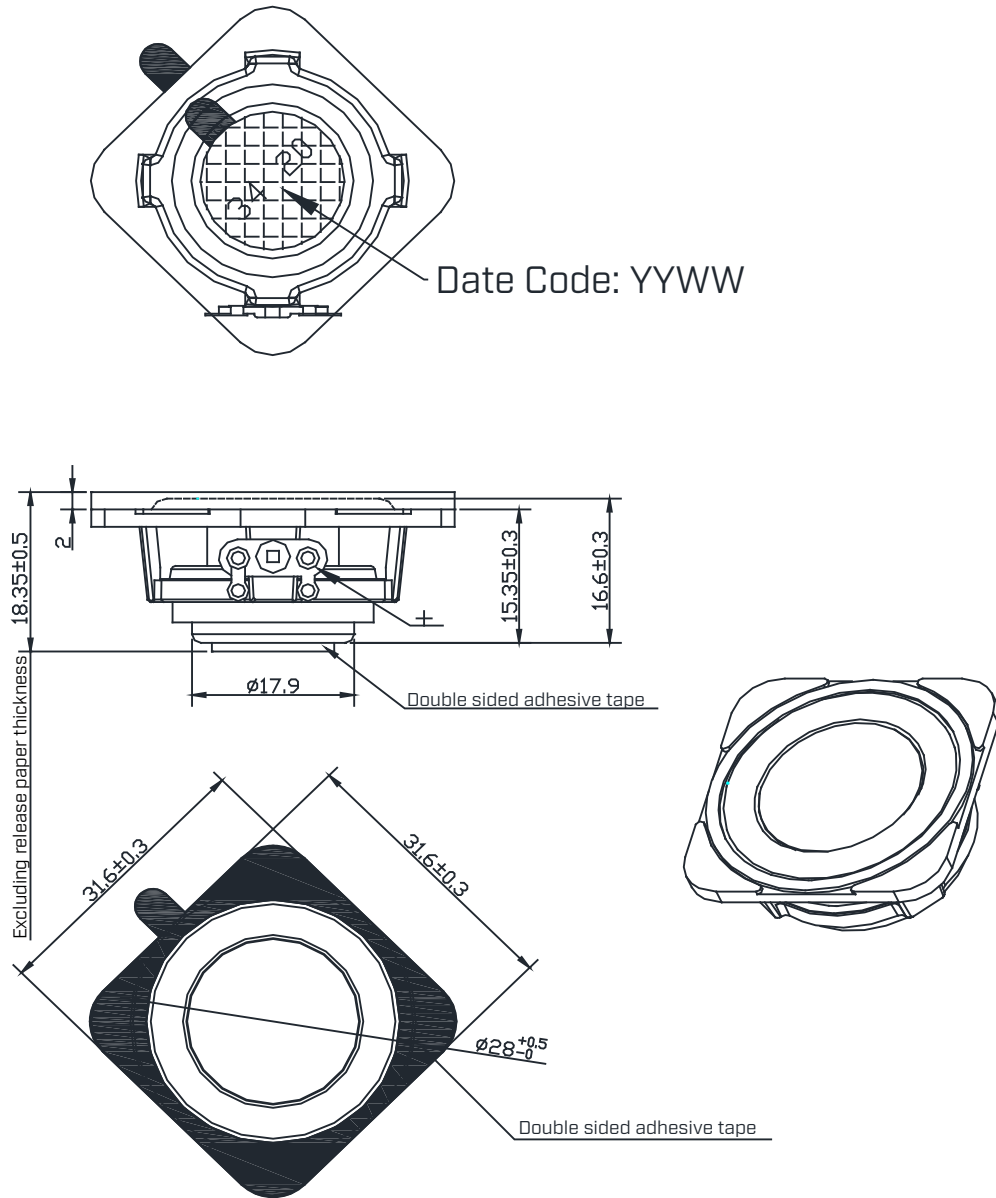

**SPECIFICATIONS**

| parameter               | conditions/description   | min | typ  | max    | units              |
|-------------------------|--|-----|------|--------|--------------------|
| input power             | max power: IEC-60268-5, filter 60 s on/120 s off, 10 cycles at room temp |     | 3.0  | 5.0    | W                  |
| impedance               | at 2.0 kHz 1.0 V   | 6.8 | 8    | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V   | 224 | 280  | 336    | Hz                 |
| frequency response      |  | Fo  |      | 20,000 | Hz                 |
| sound pressure level    | at 3.0 W, 0.1 m, avg at 2.0 kHz  | 95  | 98   | 101    | dB                 |
| distortion              | at 1.0 kHz, rated power  |     |      | 5      | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range Fo~5 kHz                    |     |      | 4.89   | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal                |     |      |        |                    |
| dimensions              | 31.6 x 31.6 x 15.35  |     |      |        | mm                 |
| magnet                  | Nd-Fe-B  |     |      |        |                    |
| frame material          | ABS777   |     |      |        |                    |
| cone material           | rubber+AL  |     |      |        |                    |
| terminal                | solder eyelets   |     |      |        |                    |
| weight                  |  |     | 15.3 |        | g                  |
| operating temperature   |  | -25 |      | 85     | $^{\circ}\text{C}$ |
| storage temperature     |  | -25 |      | 85     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds  | 370 | 380  | 390    | $^{\circ}\text{C}$ |
| RoHS                    | yes  |     |      |        |                    |
| IP level                | IP66 (front side)  |     |      |        |                    |

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

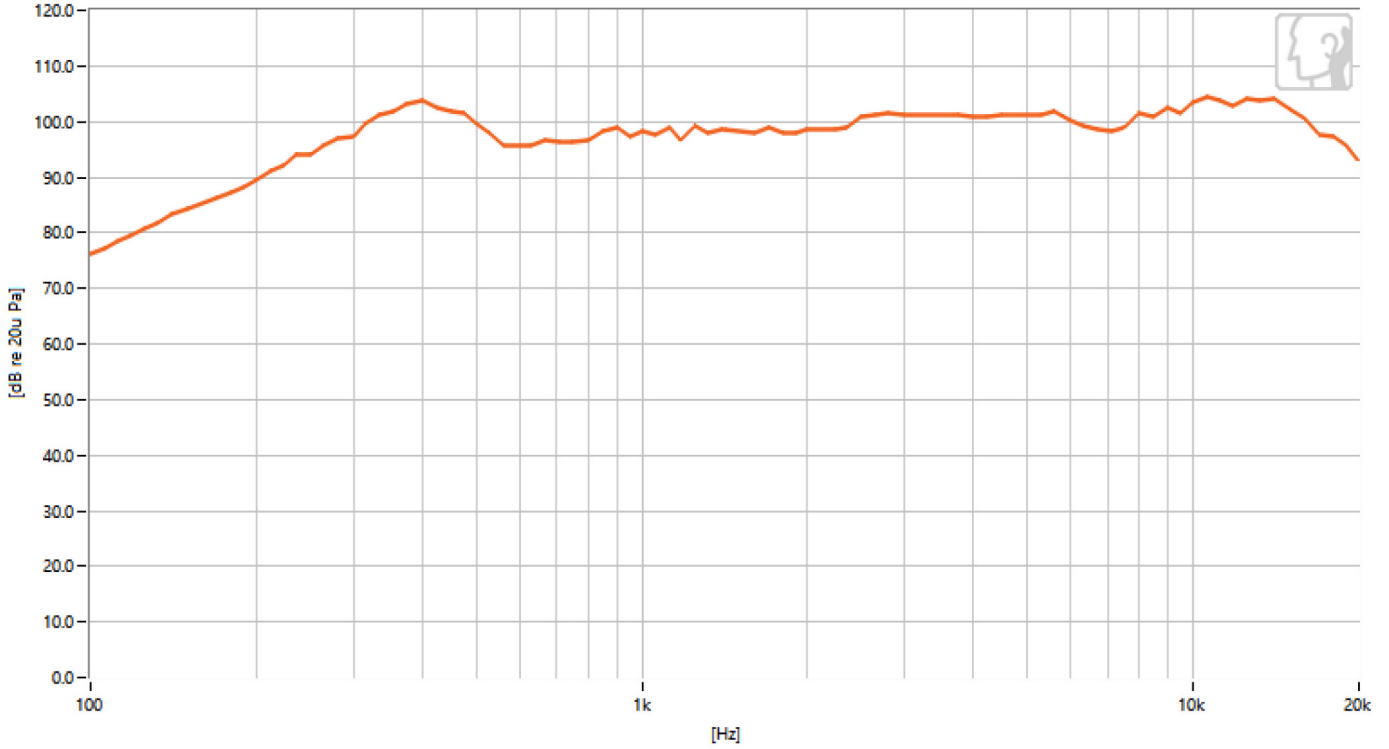
units: mm  
tolerance:  $\pm 0.5$  mm



## RESPONSE CURVES

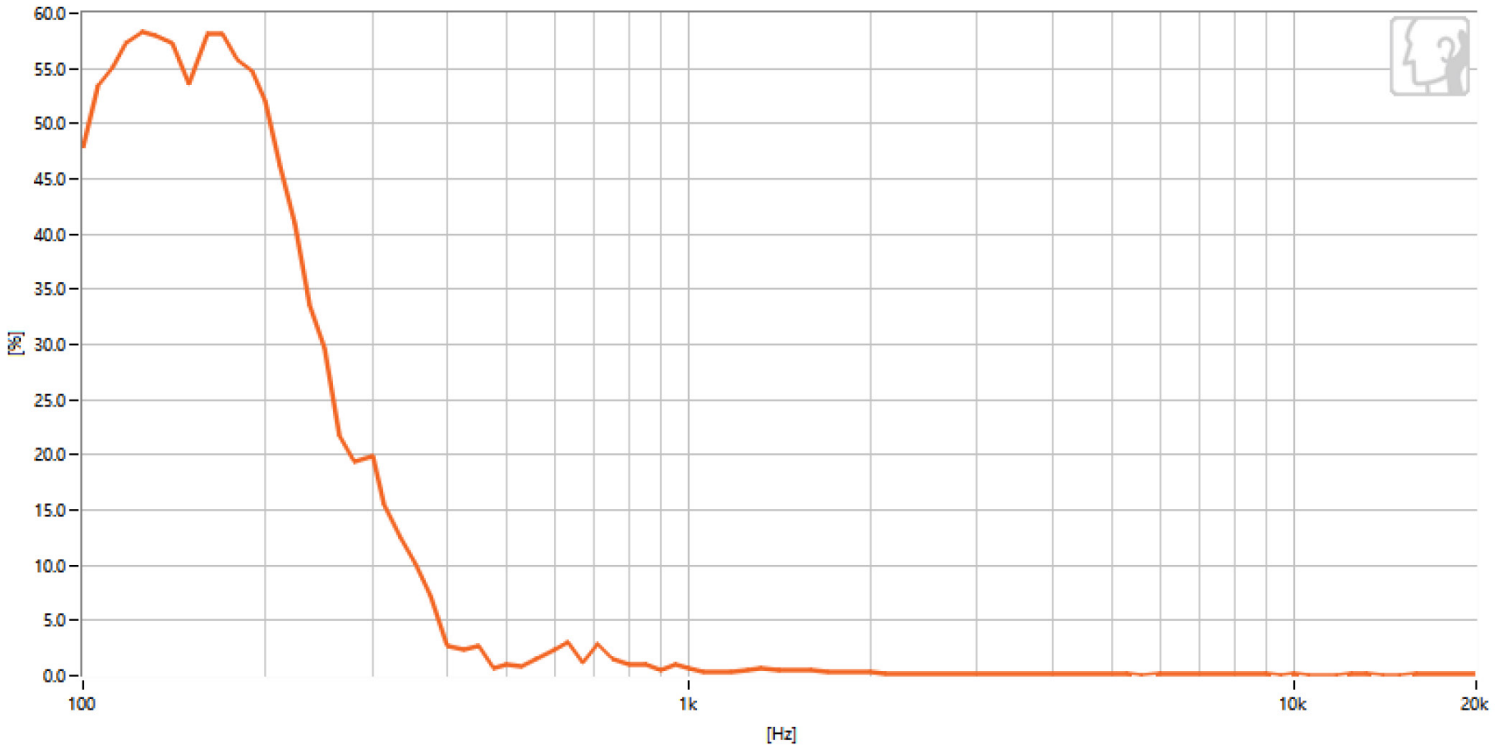
### Frequency Response Curve

Test Conditions: 3.0 W / 0.1 m



### Total Harmonic Distortion Curve

Test Conditions: 3.0 W / 0.1 m



## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 01/03/2024 |
| 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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