

**MODEL:** CDSM-4627-104 | **DESCRIPTION:** SPEAKER**FEATURES**

- compatible with IEC 60601 applications
- cloth & paper cone
- 104 dB @ 10 W/0.1 m

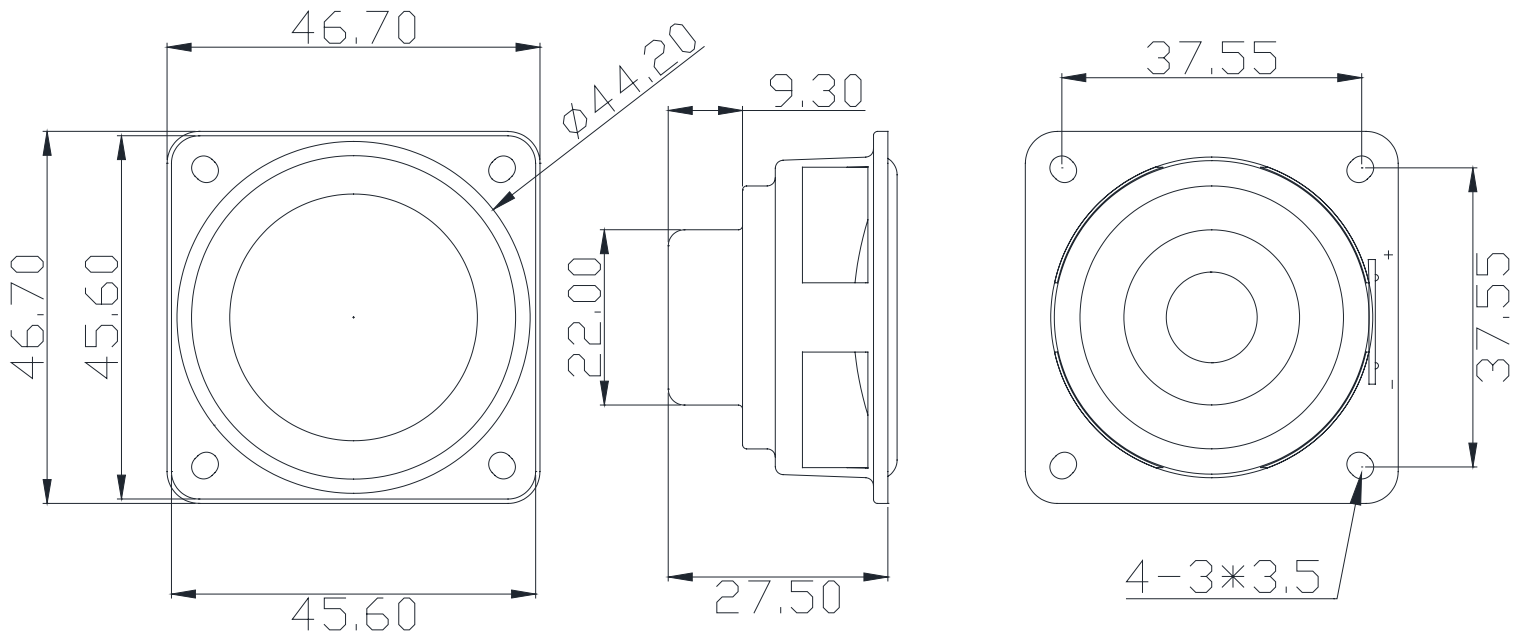
**SPECIFICATIONS**

| 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 | | 10 | 12 | W |
| impedance | at 1.0 kHz | 3.4 | 4 | 4.6 | Ω |
| resonant frequency (Fo) | at 1.0 V | 144 | 180 | 216 | Hz |
| frequency response | | Fo | | 20,000 | Hz |
| sound pressure level | at 10.0 W, 0.1 m, avg at 0.8, 1.0, 1.2, 1.5 kHz | 101 | 104 | 107 | dB |
| distortion | at 500 Hz~10 kHz, rated power | | | 5 | % |
| buzz, rattle, etc. | must be normal at sine wave, frequency range 50 Hz~2 kHz | | | 6.32 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | 46.7 x 46.7 x 27.5 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| frame material | SPCC | | | | |
| cone material | PU+paper | | | | |
| terminal | solder eyelets | | | | |
| weight | | | 38 | | g |
| operating temperature | | -20 | | 60 | °C |
| storage temperature | | -30 | | 70 | °C |
| hand soldering | for maximum 3 seconds | 370 | 380 | 390 | °C |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

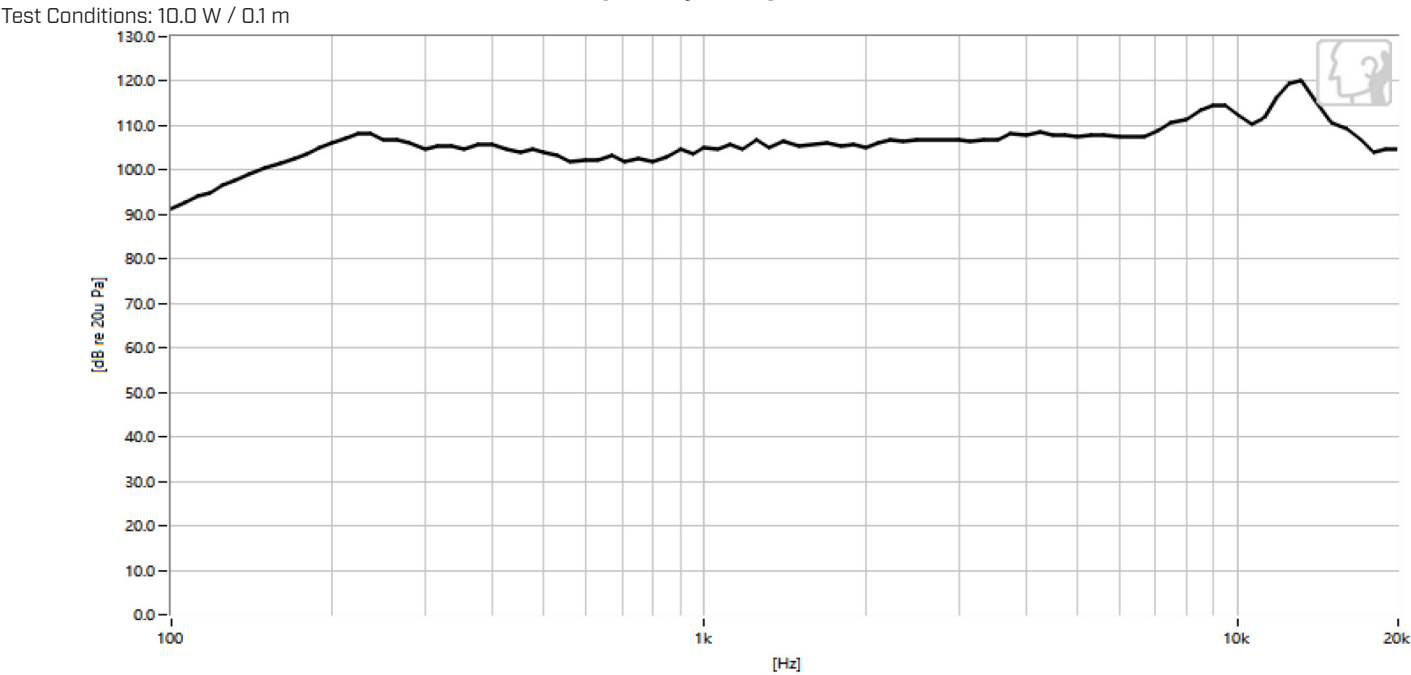
MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

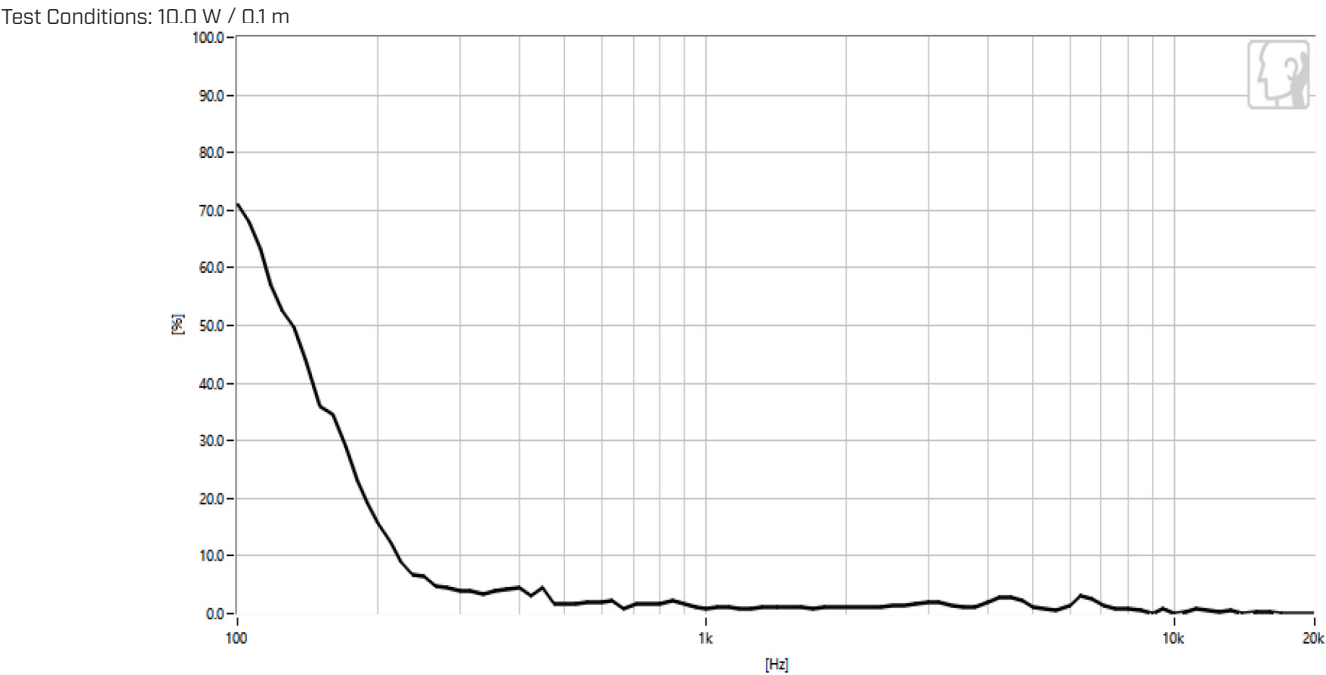


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



THIELE-SMALL PARAMETERS

| parameter | conditions/description | typ |
|------------------------------|------------------------|--------|
| Mechanical Q Factor | Qms | 5.277 |
| Electrical Q Factor | Qes | 1.214 |
| Total Q Factor | Qts | 0.987 |
| Compliance Equivalent Volume | Vas | 0.0782 |

Notes: 2. Results represent typical performance in Free Air conditions.

REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 01/03/2024 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.02 | added Thiele-Small Parameters | 02/04/2025 |

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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