



MODEL: CDS-5225-54E | DESCRIPTION: SPEAKER

FEATURES

- 4 ohm
- rated 5.0 W
- solder eyelets



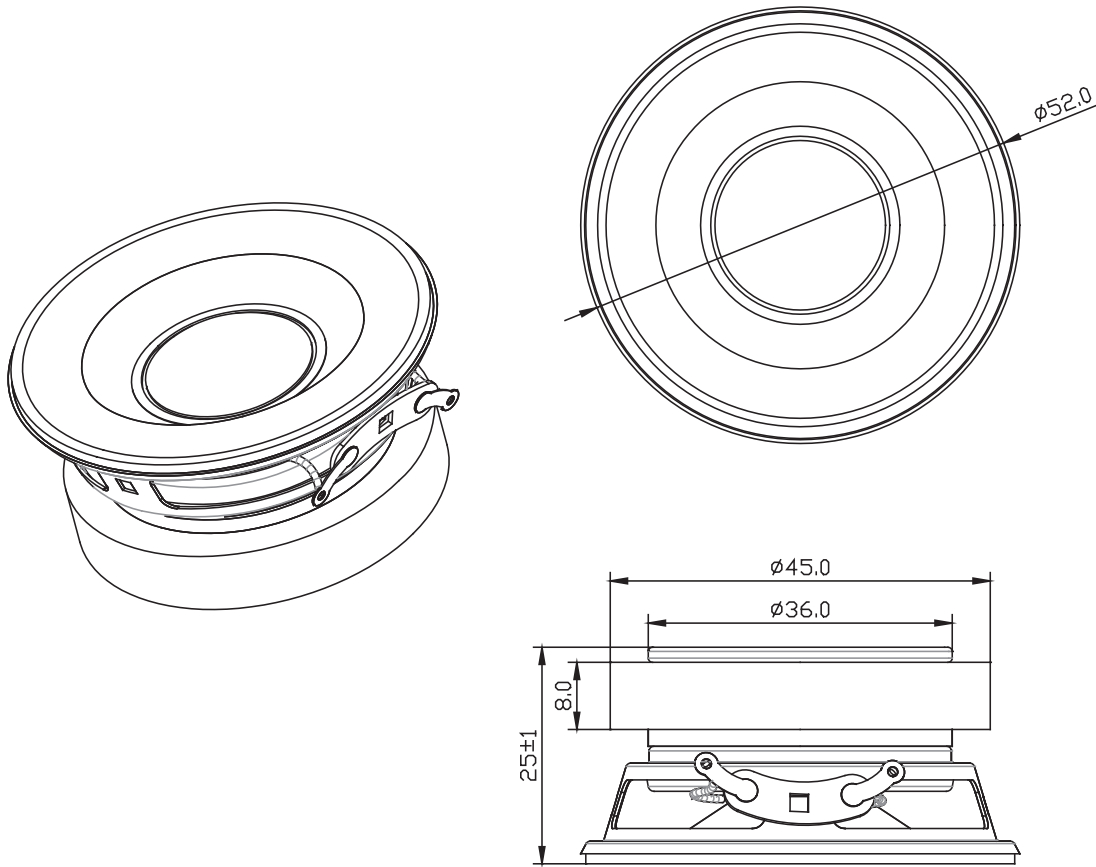
SPECIFICATIONS

| parameter               | conditions/description                                    | min  | typ | max    | units    |
|-------------------------|-----------------------------------------------------------|------|-----|--------|----------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles          |      | 5.0 | 6.0    | W        |
| impedance               | at 1 kHz, 1 V                                             | 3.4  | 4   | 4.6    | $\Omega$ |
| coil resistance         |                                                           | 3.24 | 3.6 | 3.96   | $\Omega$ |
| resonant frequency [Fo] | at 1 V                                                    | 160  | 200 | 240    | Hz       |
| frequency response      |                                                           | Fo   |     | 10,000 | Hz       |
| sound pressure level    | at 1.0 W, 1.0 m, avg at 0.5, 0.63, 0.8, 1.0 kHz           | 78   | 81  | 84     | dB       |
|                         | at 5.0 W, 1.0 m, avg at 0.5, 0.63, 0.8, 1.0 kHz           | 85   | 88  | 87     | dB       |
| distortion              | at 0.5~10 kHz                                             |      |     | 5      | %        |
| buzz, rattle, etc.      | must be normal at sine wave, Fo~2 kHz                     |      |     | 4.47   | V        |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |      |     |        |          |
| dimensions              | Ø52.0 x 25                                                |      |     |        | mm       |
| magnet                  | ferrite                                                   |      |     |        |          |
| frame material          | SPCC                                                      |      |     |        |          |
| cone material           | foam + paper                                              |      |     |        |          |
| terminal                | solder eyelets                                            |      |     |        |          |
| weight                  |                                                           |      | 92  |        | g        |
| operating temperature   |                                                           | -20  |     | 60     | °C       |
| storage temperature     |                                                           | -25  |     | 70     | °C       |
| hand soldering          | for 3-5 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

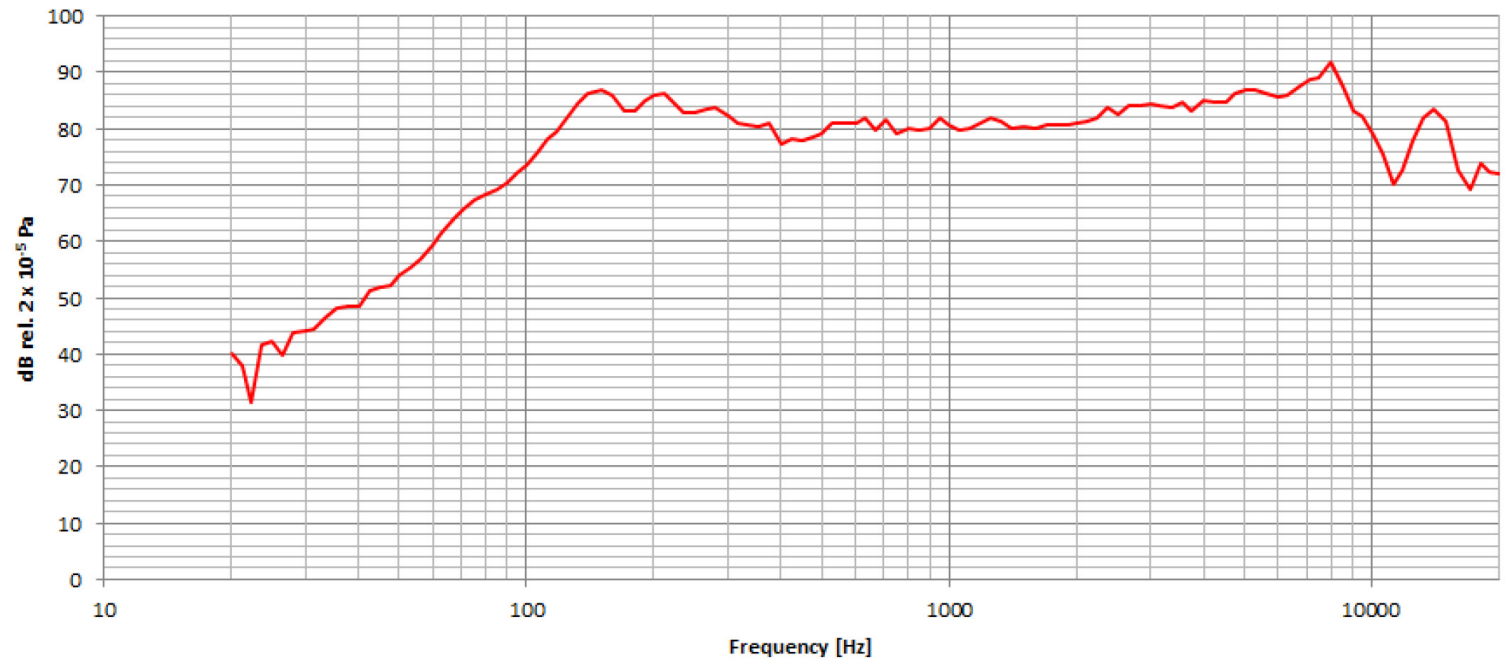
units: mm  
tolerance:  $\pm 0.5$  mm



## RESPONSE CURVES

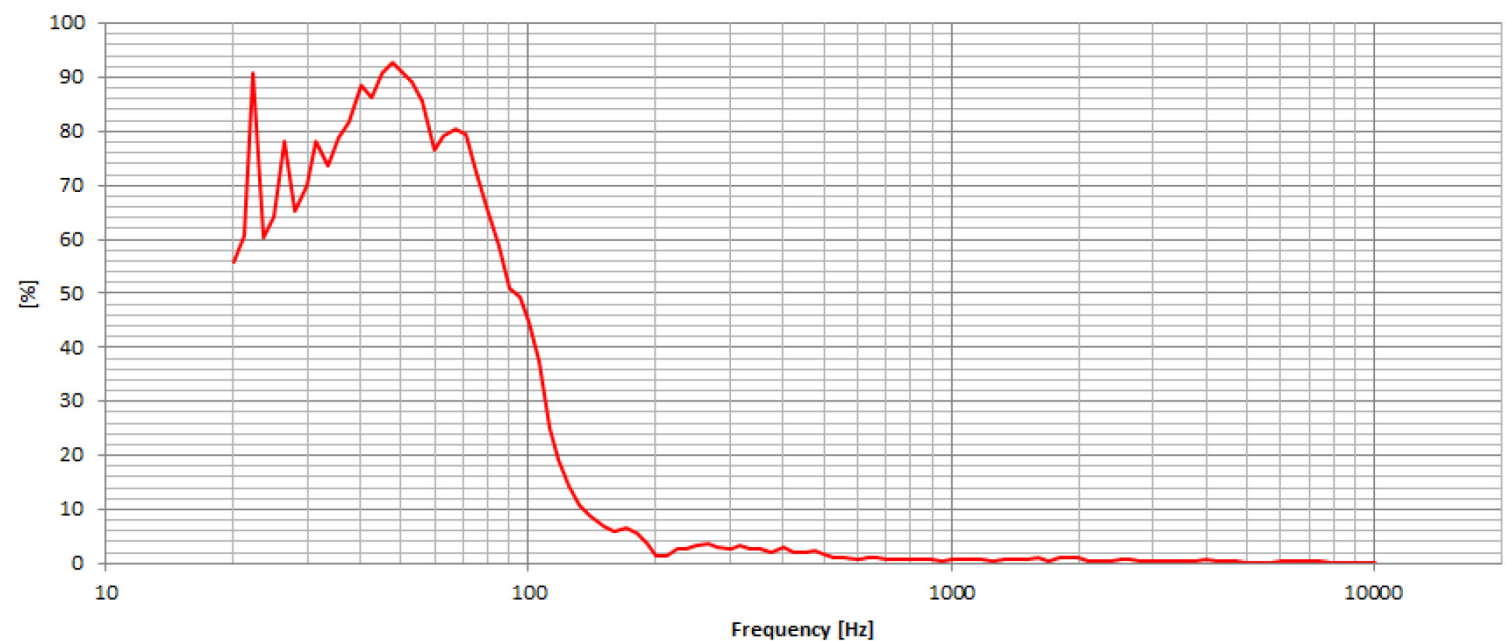
### Frequency Response Curve

Test Conditions: 1.0 W / 1 m



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 1 m



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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