



MODEL:

CMS-1852-24SP

|

DESCRIPTION:

SPEAKER

FEATURES

- 4 ohm
- rated 2.0 W
- solder pads



SPECIFICATIONS

| parameter               | conditions/description                                                      | min  | typ  | max    | units    |
|-------------------------|-----------------------------------------------------------------------------|------|------|--------|----------|
| input power             |                                                                             |      | 2    | 2.5    | W        |
| impedance               |                                                                             | 3.4  | 4    | 4.6    | $\Omega$ |
| resonant frequency [Fo] |                                                                             | 400  | 500  | 600    | Hz       |
| frequency response      |                                                                             | 300  |      | 20,000 | Hz       |
| sound pressure level    | at 2.0 W, 50 cm, 670 Hz~10 KHz, for calculation of mean SPL ( 1/12 octave ) | 77.3 | 80.3 | 83.3   | dB       |
| distortion              | at 2.0 W, 50 cm, 560 Hz ~ 20 kHz (with barrier)                             |      |      | 10     | %        |
| buzz, rattle, etc.      | must be normal at sine wave                                                 |      |      | 2.83   | V        |
| polarity                | cone moves forward w/ positive dc current to “+” terminal                   |      |      |        |          |
| dimensions              | Ø18 x 5.2                                                                   |      |      |        | mm       |
| magnet                  | Nd-Fe-B                                                                     |      |      |        |          |
| frame material          | PBT + 15% GF                                                                |      |      |        |          |
| cone material           | foam + paper                                                                |      |      |        |          |
| terminal                | solder pads                                                                 |      |      |        |          |
| weight                  |                                                                             | 3.99 | 4.2  | 4.41   | g        |
| operating temperature   |                                                                             | -20  |      | 55     | °C       |
| storage temperature     |                                                                             | -25  |      | 60     | °C       |
| hand soldering          | for maximum 2 seconds                                                       | 360  |      | 380    | °C       |
| RoHS                    | yes                                                                         |      |      |        |          |

Notes:

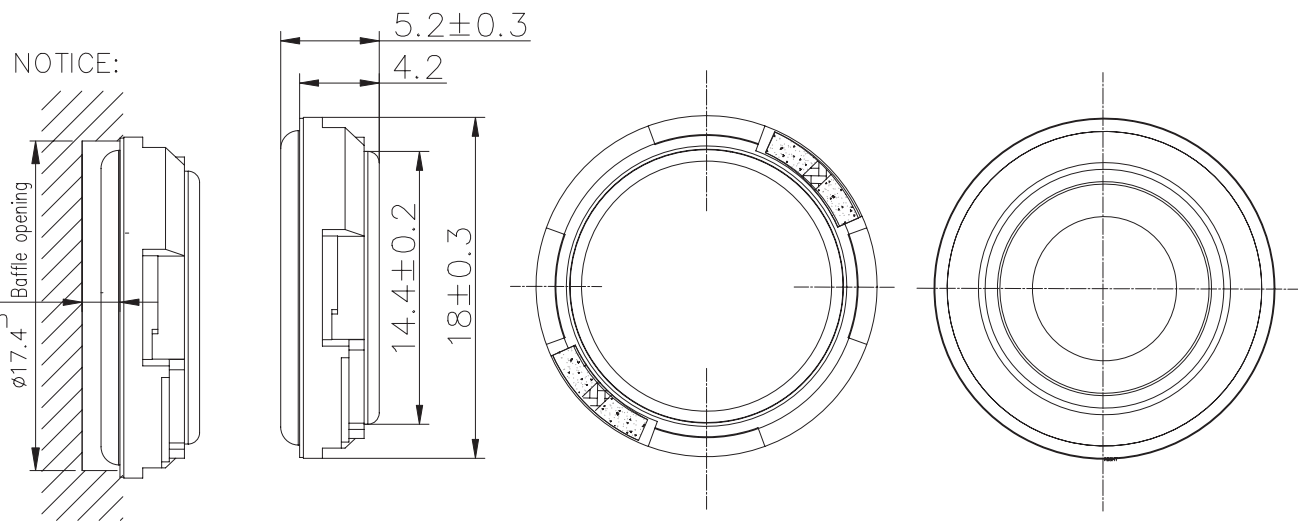
1. All specifications measured at 15~35°C, humidity at 25~75%, unless otherwise noted.

## MECHANICAL DRAWING

units: mm

tolerance:  $\pm 0.2$  mm

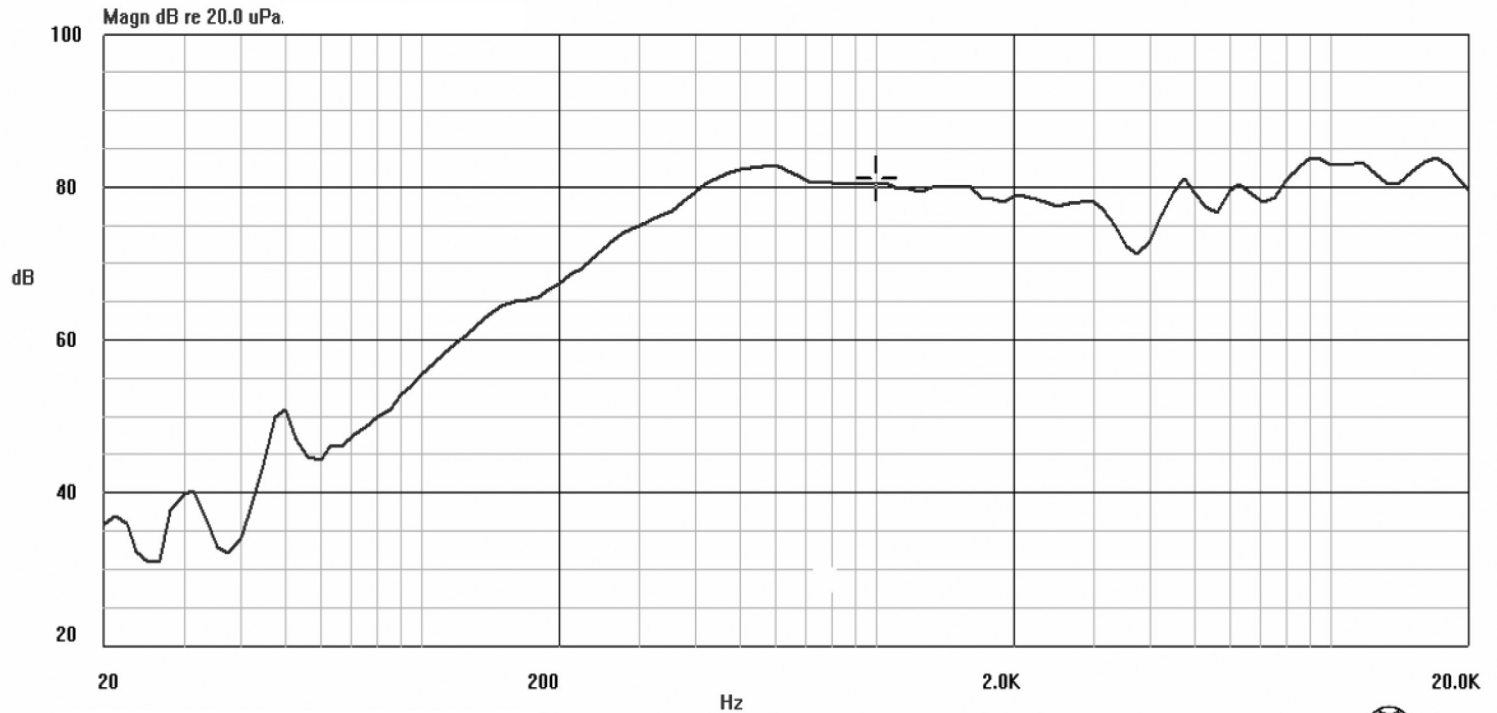
MOUNTING NOTICE:

Leave at  
Least  
2mm for  
diaphragm  
moving

## RESPONSE CURVES

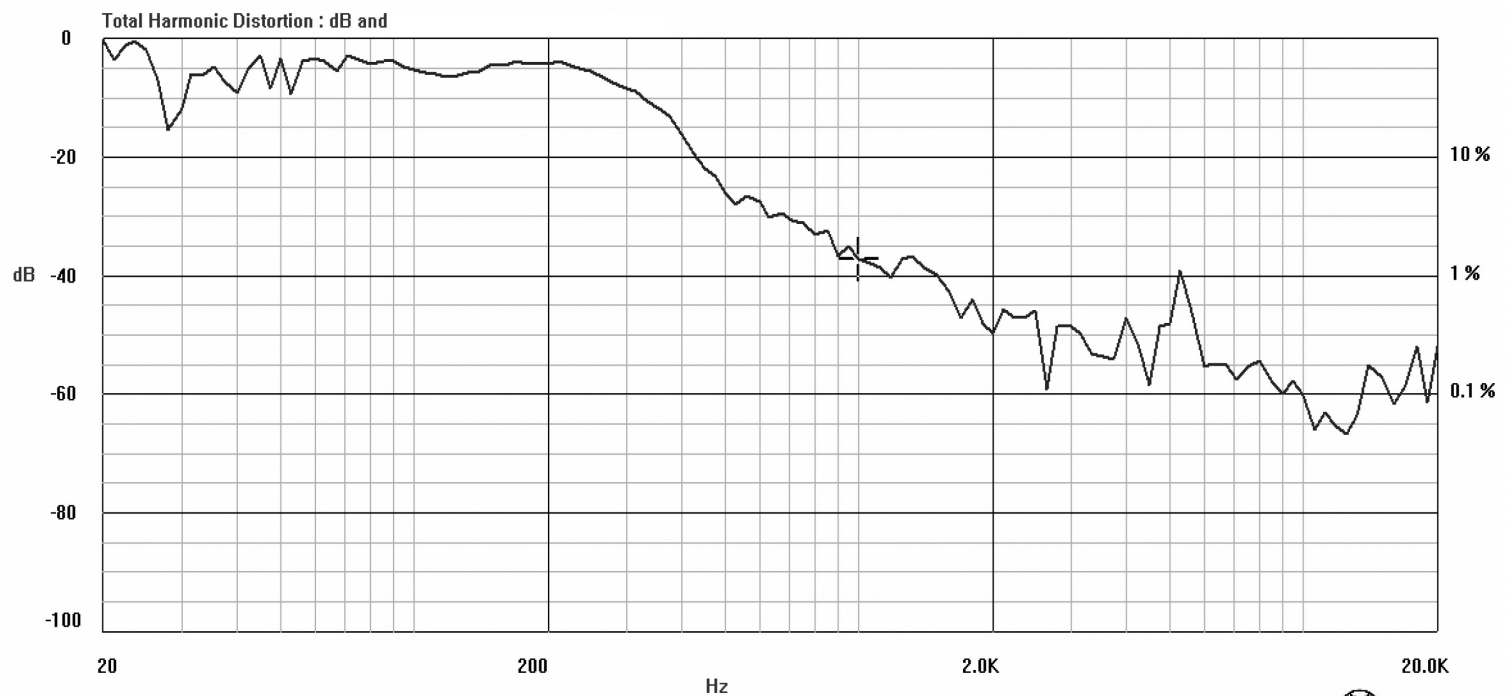
### Frequency Response Curve

Test Conditions: 2.83 V / 50 cm



### Total Harmonic Distortion Curve

Test Conditions: 2.83 V / 50 cm



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/27/23   |
| 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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