



MODEL: CMS-4020-24SP | DESCRIPTION: SPEAKER

FEATURES

- 4 ohm
- rated 2.0 W
- solder terminals



SPECIFICATIONS

| parameter               | conditions/description                                    | min | typ  | max    | units              |
|-------------------------|-----------------------------------------------------------|-----|------|--------|--------------------|
| input power             |                                                           |     | 2.0  | 3.0    | W                  |
| impedance               |                                                           | 3.4 | 4    | 4.6    | $\Omega$           |
| resonant frequency (Fo) |                                                           | 116 | 145  | 174    | Hz                 |
| frequency response      |                                                           | Fo  |      | 20,000 | Hz                 |
| sound pressure level    | at 1.0 W, 50 cm, avg 0.8, 1.0, 1.2, 1.5 kHz               | 80  | 83   | 86     | dB                 |
| distortion              | at 1.0 kHz, 1.0 W, 50 cm                                  |     |      | 5      | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range              |     |      | 2.83   | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |     |      |        |                    |
| dimensions              | $\varnothing 40 \times 20.7$                              |     |      |        | mm                 |
| magnet                  | Nd-Fe-B                                                   |     |      |        |                    |
| frame material          | iron                                                      |     |      |        |                    |
| cone material           | PU + paper                                                |     |      |        |                    |
| terminal                | solder terminals                                          |     |      |        |                    |
| weight                  |                                                           |     | 26.8 |        | g                  |
| operating temperature   |                                                           | -20 |      | 55     | $^{\circ}\text{C}$ |
| storage temperature     |                                                           | -25 |      | 60     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 2 seconds                                     | 360 |      | 380    | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                       |     |      |        |                    |

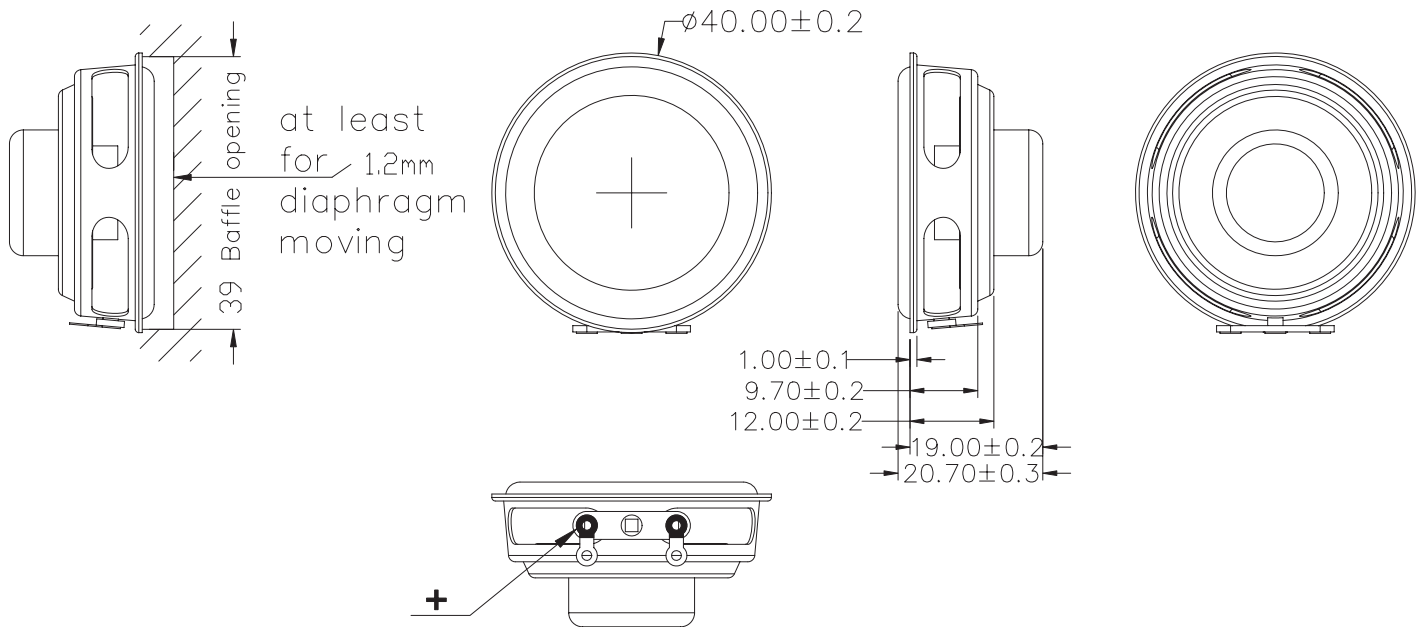
Notes:

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

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

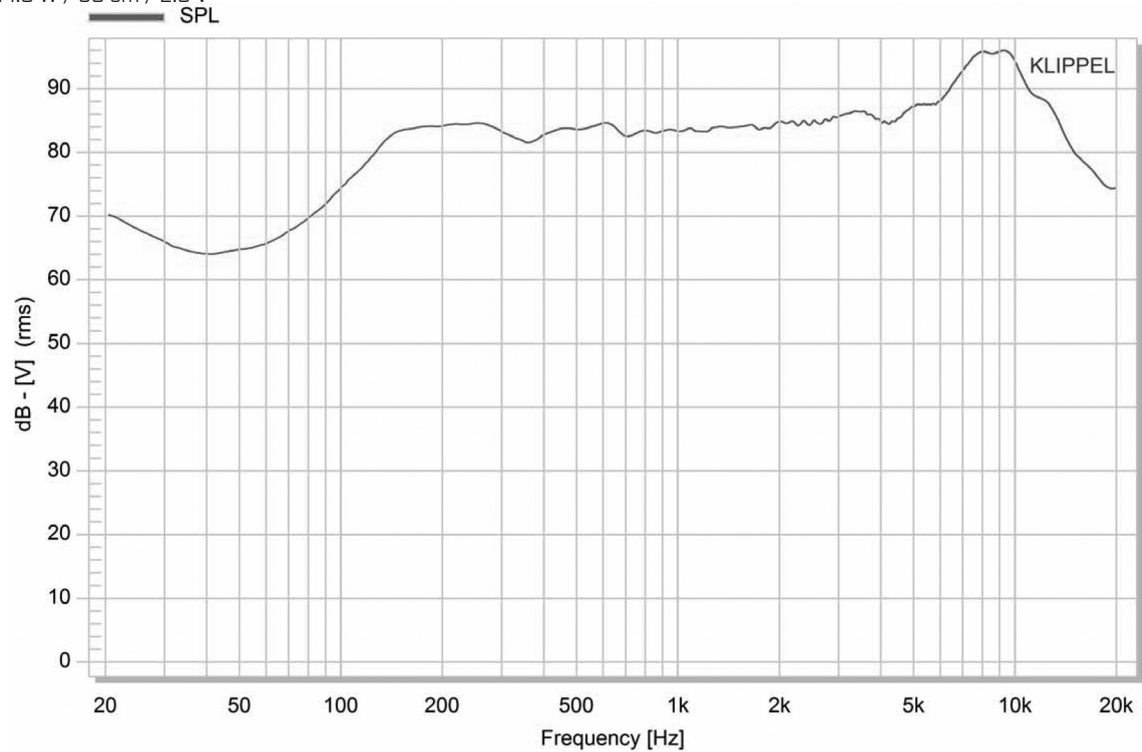
### MOUNTING NOTICE



RESPONSE CURVES

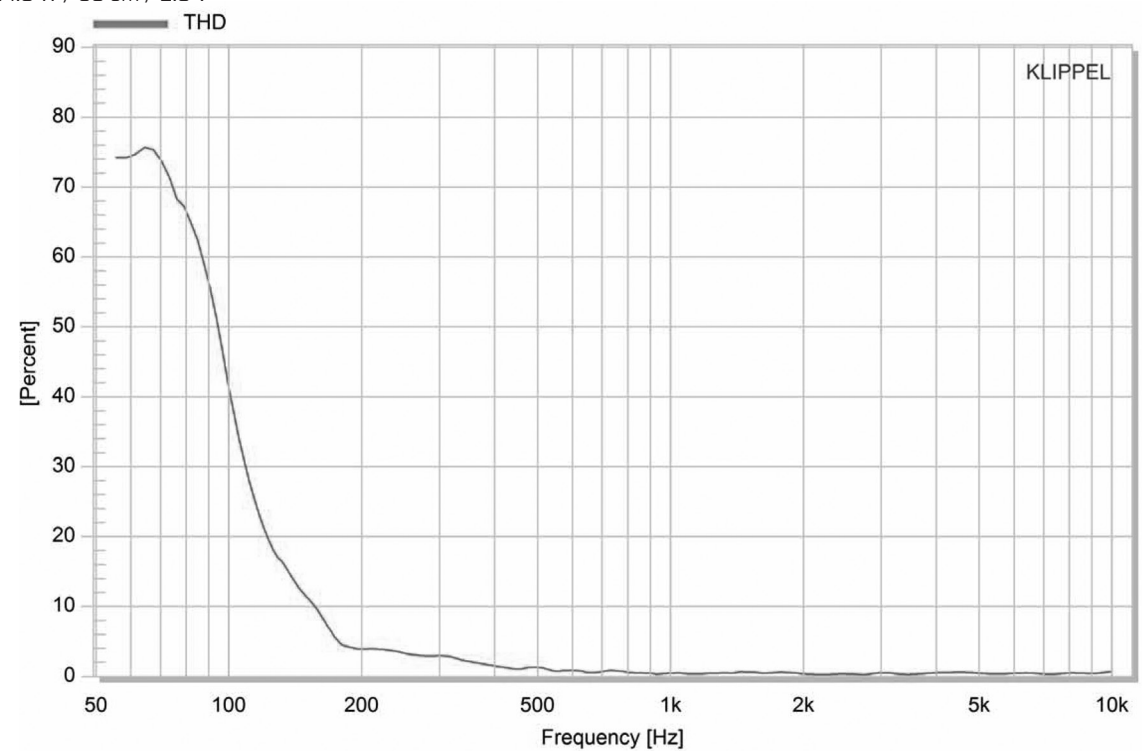
Frequency Response Curve

Test Conditions: 1.0 W / 50 cm / 2.0 V



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 50 cm / 2.0 V



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/07/2023 |
| 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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