

**MODEL:** CMS-2511-34SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 4 ohm
- rated 3.0 W
- solder pads

**SPECIFICATIONS**

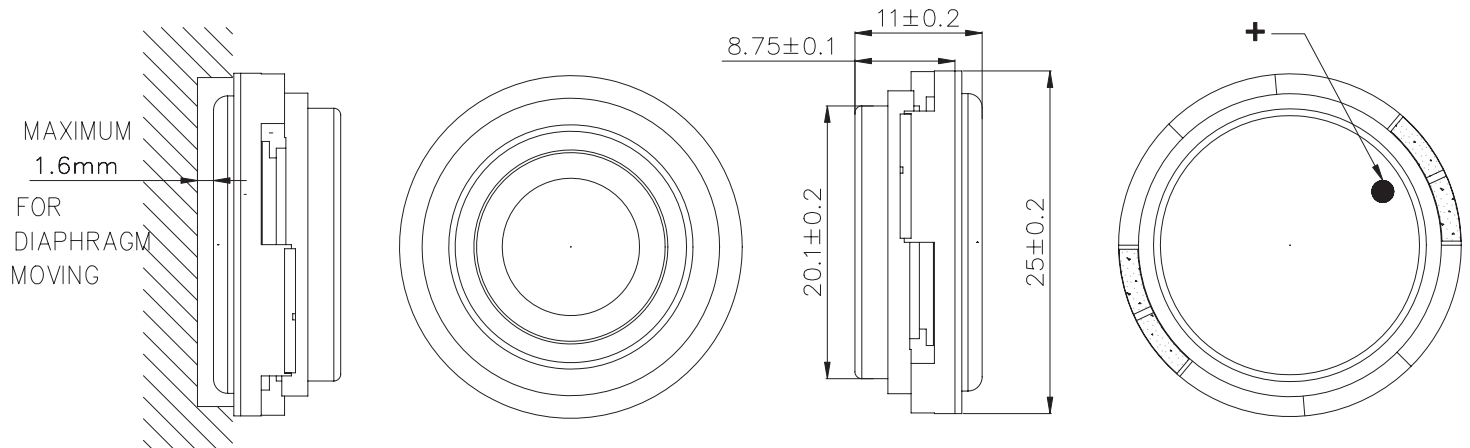
| parameter               | conditions/description                                    | min | typ  | max    | units              |
|-------------------------|-----------------------------------------------------------|-----|------|--------|--------------------|
| input power             |                                                           |     | 3    | 3.5    | W                  |
| impedance               |                                                           | 3.4 | 4    | 4.6    | $\Omega$           |
| resonant frequency (Fo) |                                                           | 200 | 250  | 300    | 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               | 79  | 82   | 85     | dB                 |
| distortion              | at 1.0 kHz, 1.0 W, 50 cm                                  |     |      | 5      | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range              |     |      | 3.46   | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |     |      |        |                    |
| dimensions              | $\varnothing 25 \times 11$                                |     |      |        | mm                 |
| magnet                  | Nd-Fe-B                                                   |     |      |        |                    |
| frame material          | PBT + 15% GF                                              |     |      |        |                    |
| cone material           | aluminum                                                  |     |      |        |                    |
| terminal                | solder pads                                               |     |      |        |                    |
| weight                  |                                                           |     | 10.4 |        | 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 $^{\circ}\text{C}$ , humidity at 25~75%, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

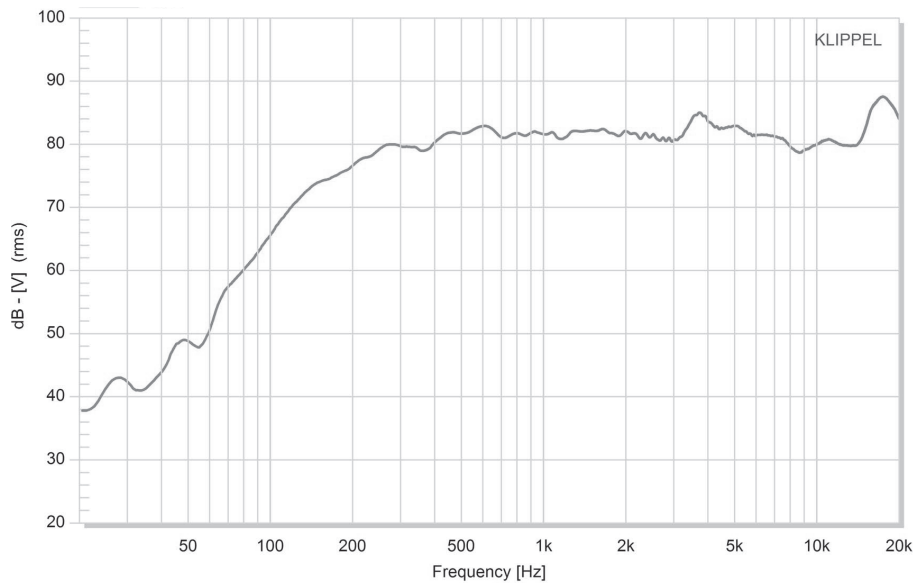
### MOUNTING NOTICE



RESPONSE CURVES

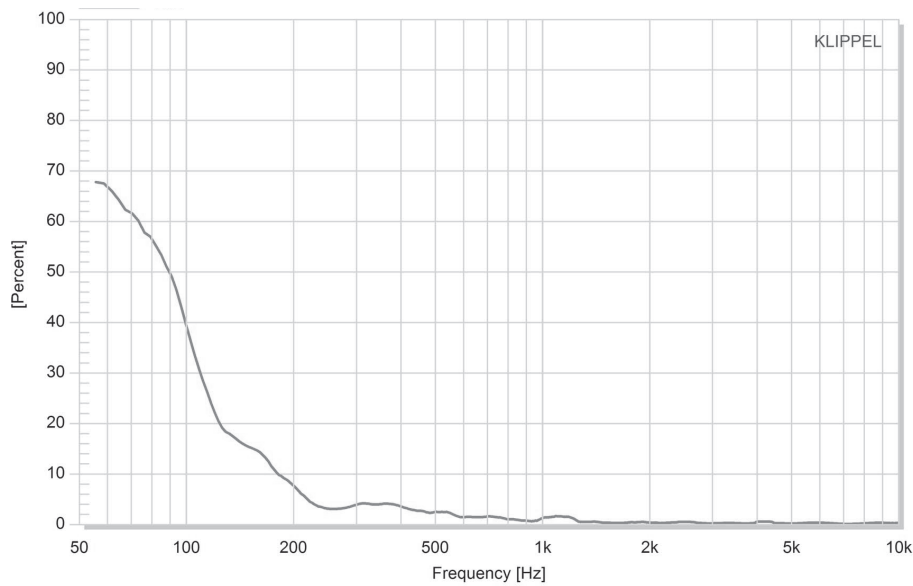
Frequency Response Curve

Test Conditions: 1.0 W / 50 cm on baffle



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 50 cm on baffle



THIELE-SMALL PARAMETERS

| parameter                    | conditions/description | typ    |
|------------------------------|------------------------|--------|
| Mechanical Q Factor          | Qms                    | 3.193  |
| Electrical Q Factor          | Qes                    | 1.424  |
| Total Q Factor               | Qts                    | 0.985  |
| Compliance Equivalent Volume | Vas                    | 0.0052 |

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

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/11/2023 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.02 | added Thiele-Small Parameters     | 01/30/2025 |

The revision history provided is for informational purposes only and is believed to be accurate.



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