

MODEL: CMS-1805-24SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 4 ohm
- rated 1.0 W
- solder pads

**SPECIFICATIONS**

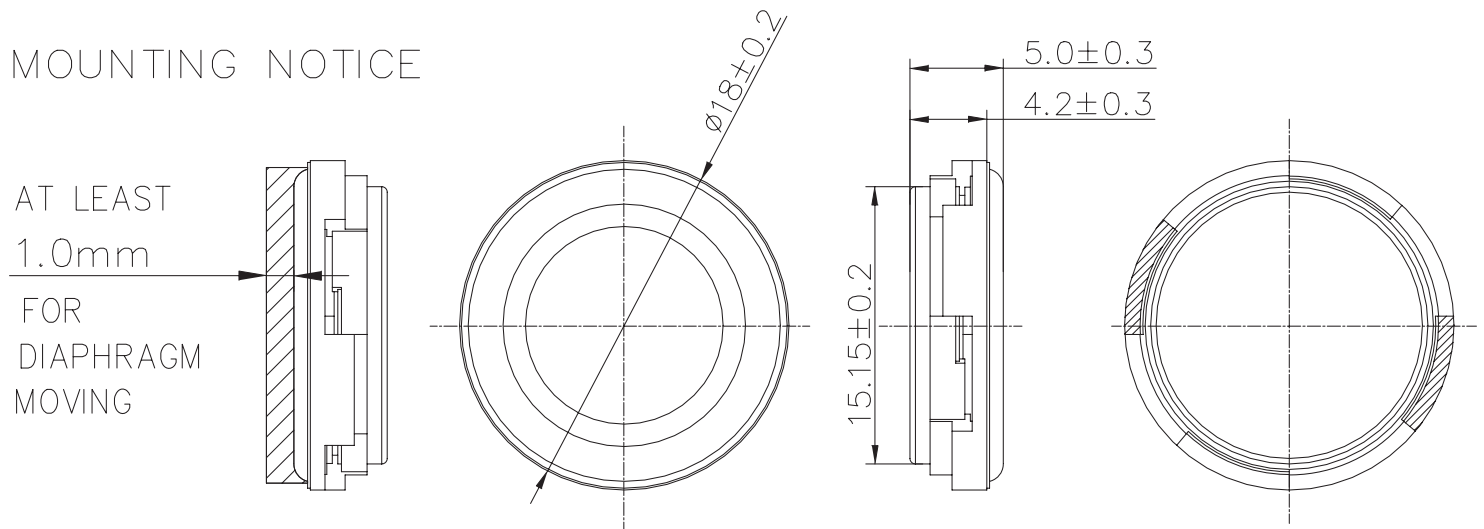
| parameter | conditions/description | min | typ | max | units |
|-------------------------|---|-----|-----|--------|--------------------|
| input power | in free air | | 1 | 1.5 | W |
| | in 5 cc box | | 2 | 2.5 | W |
| impedance | | 3.4 | 4 | 4.6 | Ω |
| resonant frequency (Fo) | in free air | 304 | 380 | 456 | Hz |
| | in 5 cc box | 488 | 610 | 732 | 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, in free air | 76 | 79 | 82 | dB |
| | at 2.0 W, 50 cm, avg 0.8, 1.0, 1.2, 1.5 kHz, in 5 cc box | 76 | 79 | 82 | dB |
| distortion | at 1.0 kHz, 1.0 W, 50 cm | | | 5 | % |
| buzz, rattle, etc. | must be normal at sine wave, frequency range | | | 2.0 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | $\varnothing 18 \times 5.0$ | | | | mm |
| magnet | Nd-Fe-B | | | | |
| frame material | PBT + 15% GF | | | | |
| cone material | PU + PEN | | | | |
| terminal | solder pads | | | | |
| weight | | | 3.2 | | 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: ± 0.2 mm

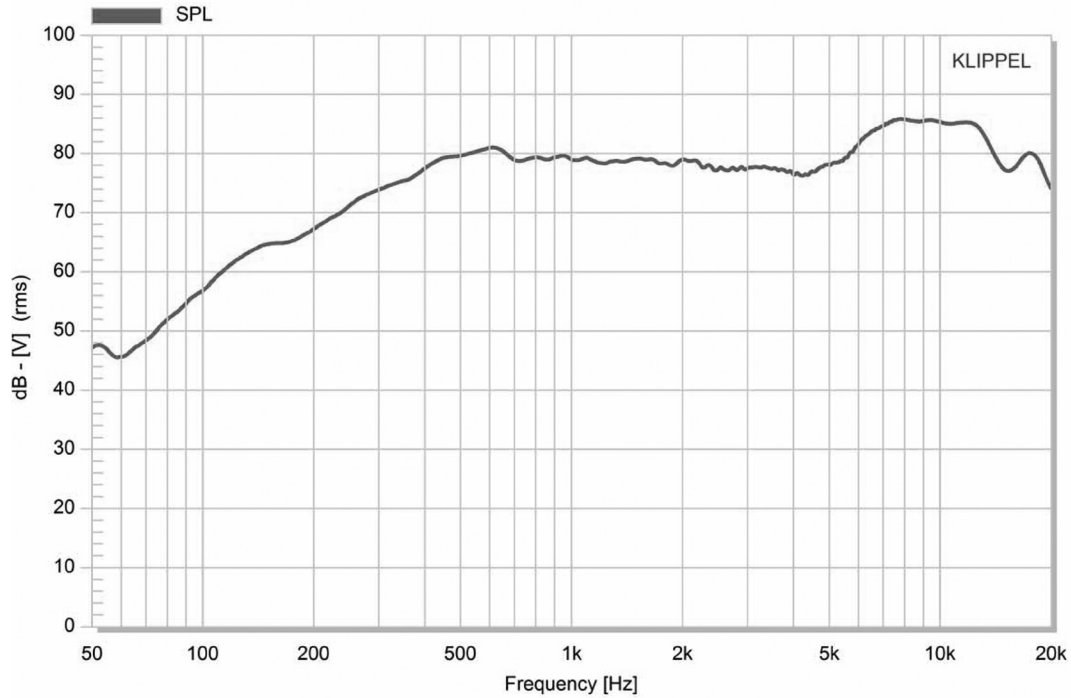
MOUNTING NOTICE



RESPONSE CURVES (IN FREE AIR)

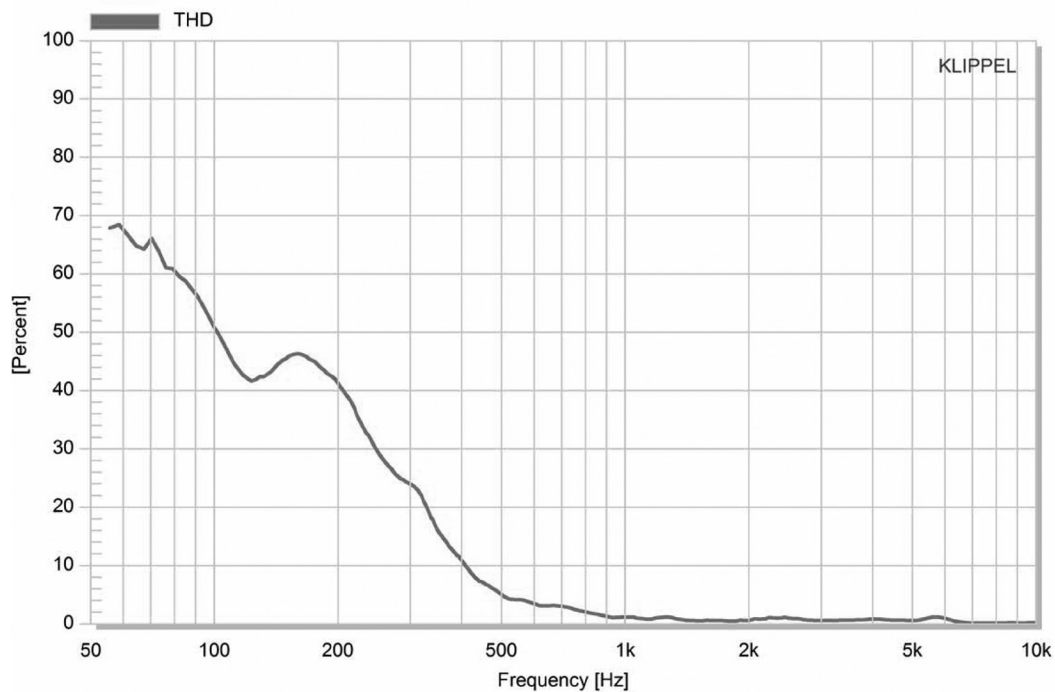
Frequency Response Curve

Test Conditions: 1.0 W / 50 cm



Total Harmonic Distortion Curve

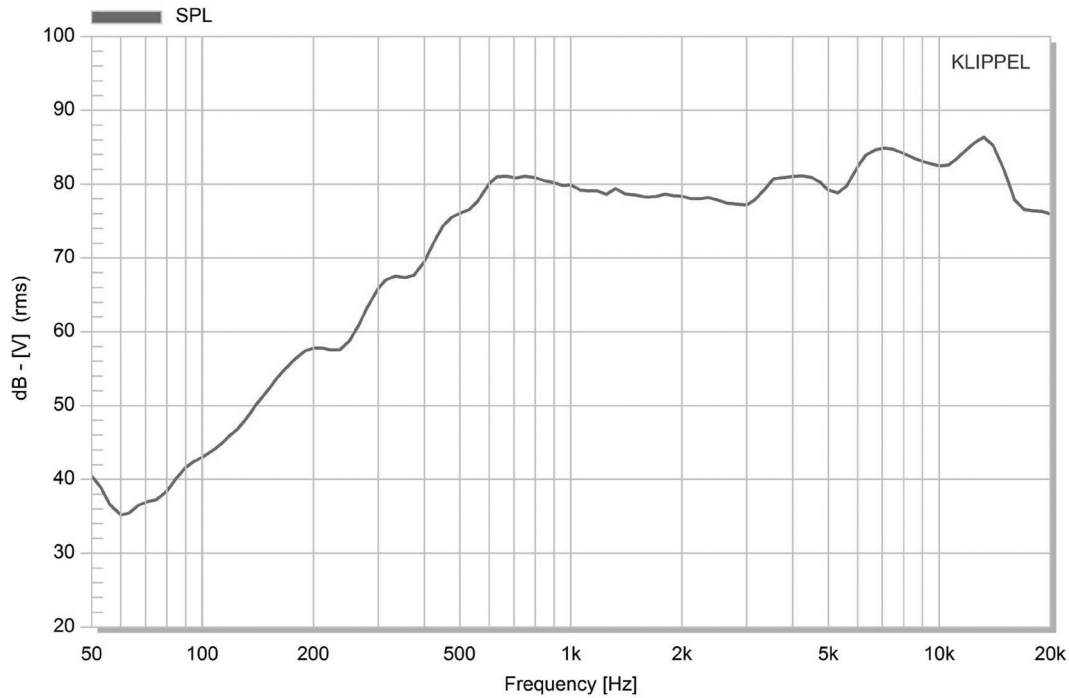
Test Conditions: 1.0 W / 50 cm



RESPONSE CURVES (IN 5 CC BOX)

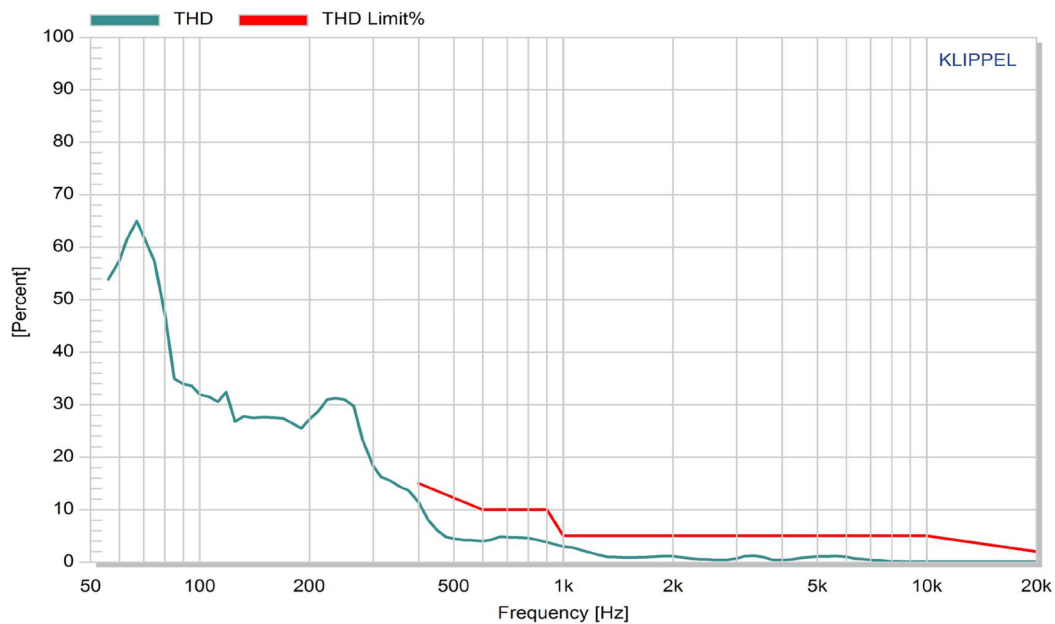
Frequency Response Curve

Test Conditions: 2.0 W / 50 cm



Total Harmonic Distortion Curve

Test Conditions: 2.0 W / 50 cm



| Frequency[Hz] | 400 | 600 | 900 | 1000 | 10000 | 20000 |
|---------------|-----|-----|-----|------|-------|-------|
| THD Limit[%] | 15 | 10 | 10 | 5 | 5 | 2 |

REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 06/27/2023 |

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



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