



MODEL: CMS-2854-158SP | DESCRIPTION: SPEAKER

FEATURES

- 8 ohm
- rated 1.5 W
- solder pads



SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-------------------------|-----------------------------------------------------------|-----|-----|--------|--------------------|
| input power | | | 1.5 | 2.0 | W |
| impedance | | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | | 400 | 500 | 600 | Hz |
| frequency response | | 300 | | 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 | | | 3.46 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | $\varnothing 28 \times 5.4$ | | | | mm |
| magnet | Nd-Fe-B | | | | |
| frame material | ABS + 15% GF | | | | |
| cone material | PEI | | | | |
| terminal | solder pads | | | | |
| weight | | | 5.1 | | 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:

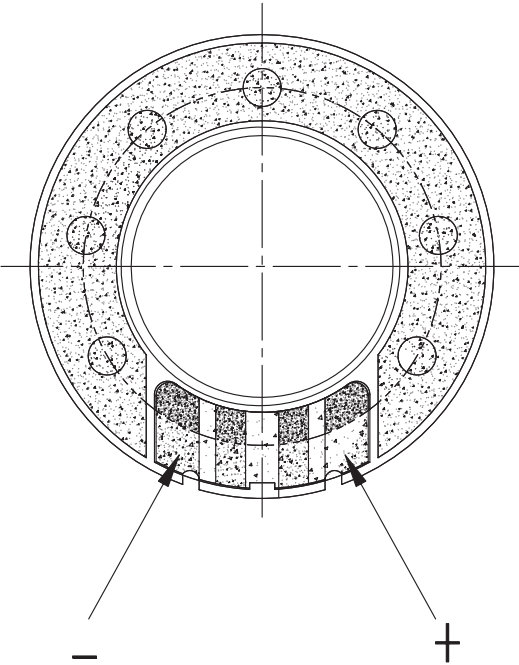
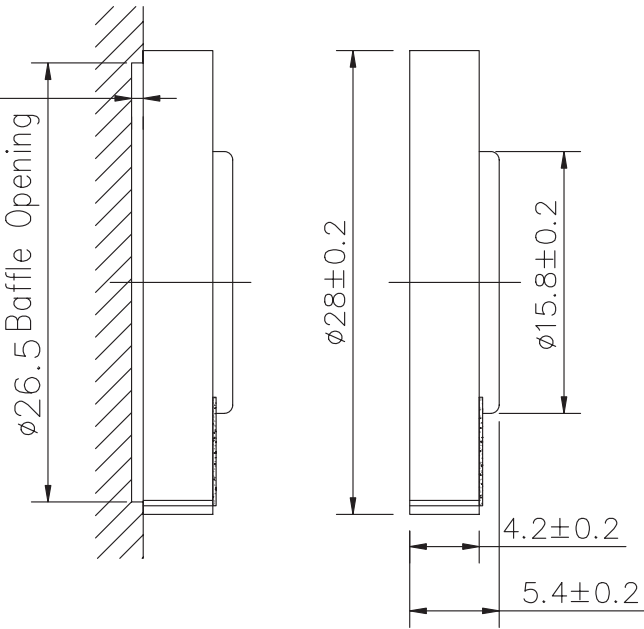
1. All specifications measured at 15~35°C, humidity at 25~75%, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ± 0.2 mm

MOUNTING NOTICE

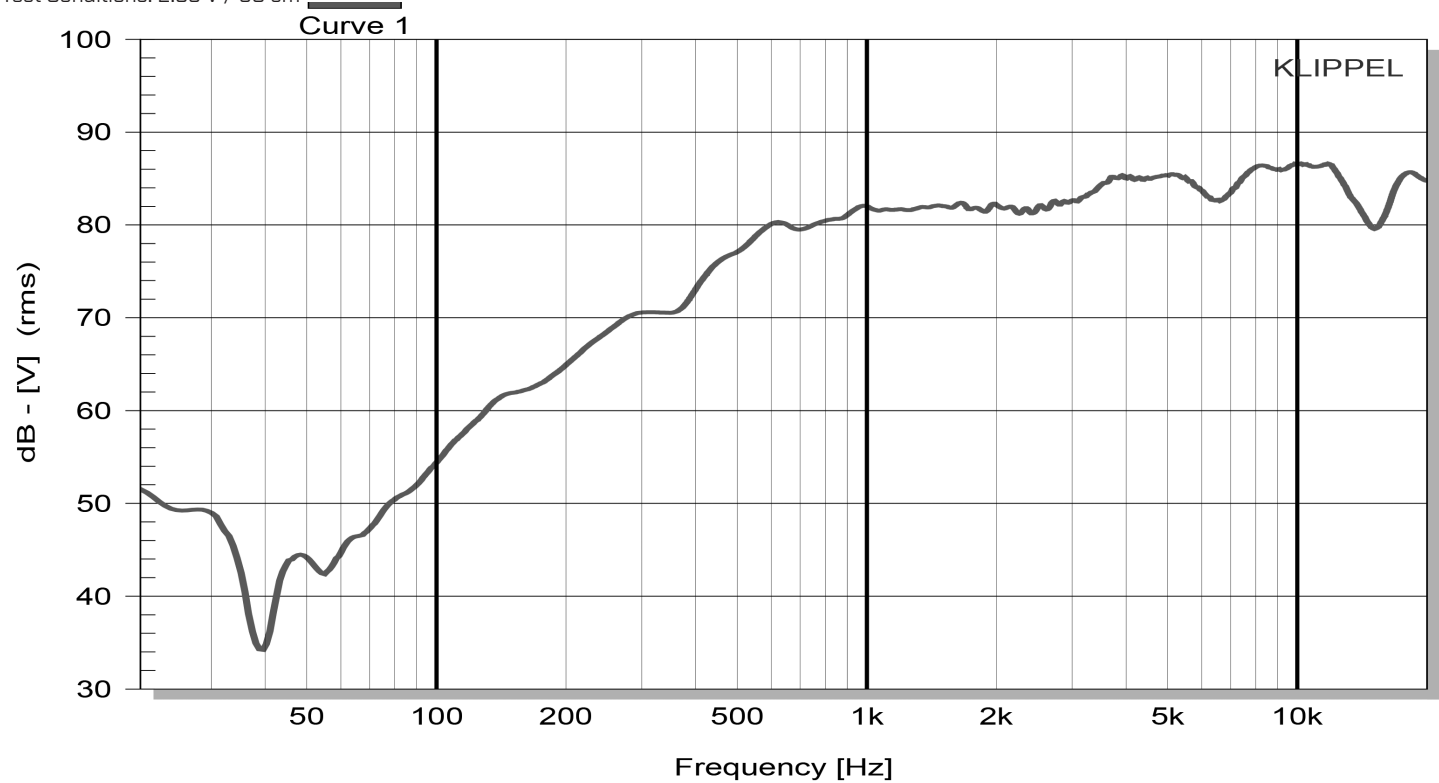
AT LEAST
1.0mm
FOR
DIAPHRAGM
MOVING



RESPONSE CURVES

Frequency Response Curve

Test Conditions: 2.83 V / 50 cm



REVISION HISTORY

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