

**MODEL:** CMSM-2313-18 | **DESCRIPTION:** SPEAKER**FEATURES**

- compatible with IEC 60601 applications
- 4 harmonic peaks within ± 15 dB from 1~4 kHz
- 97 dB @ 1 W/0.1 m

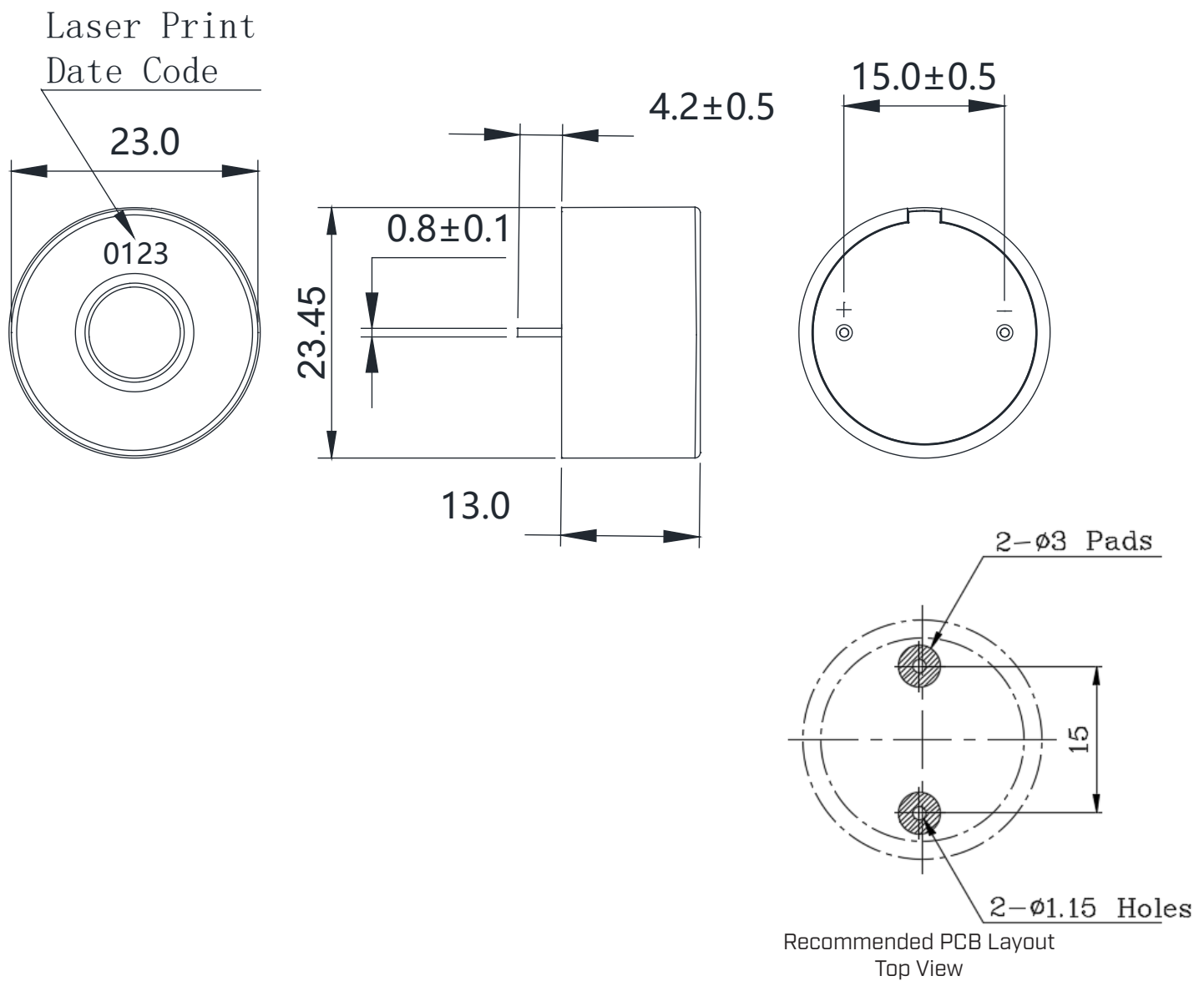
**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-------------------------|--|-----|-----|--------|--------------------|
| input power | max power: IEC-60268-5, filter 60 s on/120 s off, 10 cycles at room temp | | 1.0 | 1.5 | W |
| impedance | at 2.5 kHz | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | square wave signal | | 325 | | Hz |
| frequency response | | Fo | | 20,000 | Hz |
| sound pressure level | at 1.0 W, 0.1 m, avg at 1.5, 2.0, 2.5, 3.0 kHz | 94 | 97 | 100 | dB |
| harmonics present | 4 peaks within ± 15 dB from 1~4 kHz | | | | |
| distortion | at 2.5 kHz, rated power | | | 10 | % |
| buzz, rattle, etc. | must be normal at sine wave, frequency range 1.5~8 kHz | | | 2.83 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | $\varnothing 23.0 \times 13.0$ | | | | mm |
| magnet | Nd-Fe-B | | | | |
| housing material | PBT (UL94V-0) | | | | |
| cone material | PET | | | | |
| terminal | pins type | | | | |
| weight | | | 5.3 | | g |
| operating temperature | | -20 | | 60 | $^{\circ}\text{C}$ |
| storage temperature | | -30 | | 70 | $^{\circ}\text{C}$ |
| hand soldering | for 1~3 seconds | 355 | 360 | 365 | $^{\circ}\text{C}$ |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

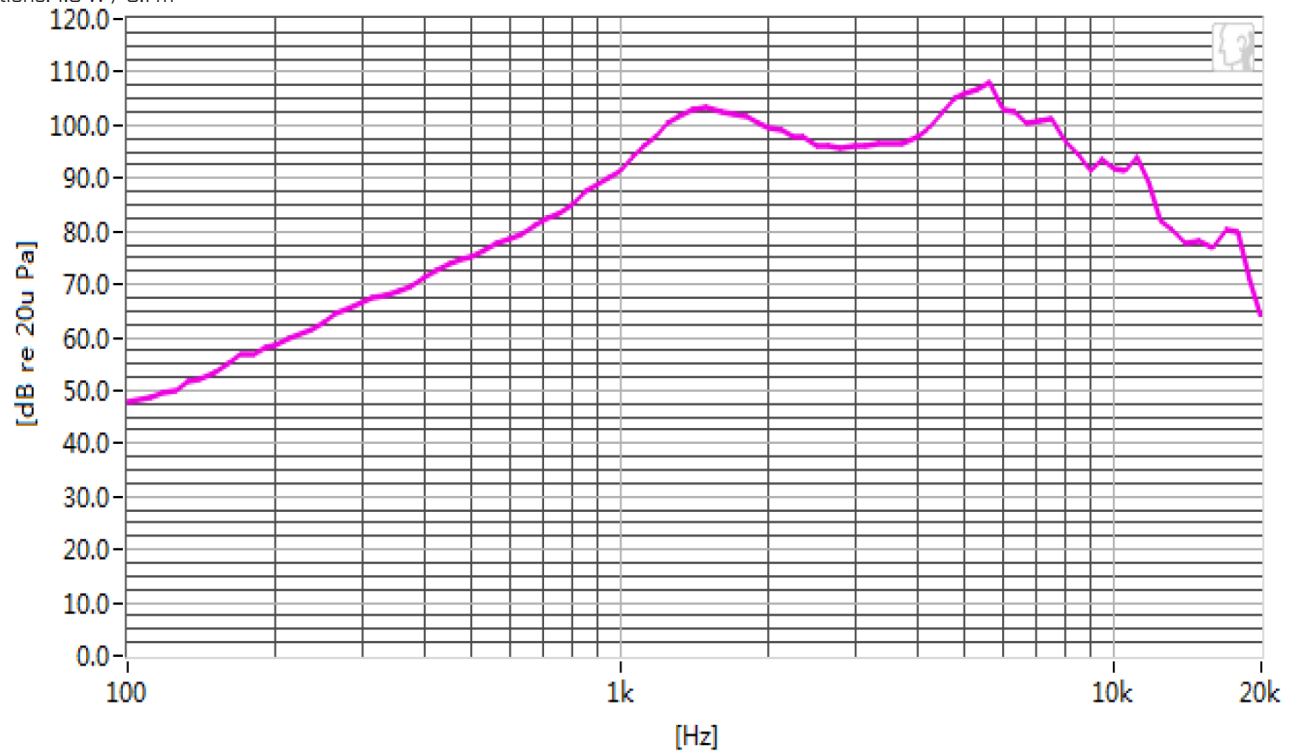
units: mm
tolerance: ± 0.5 mm



RESPONSE CURVES

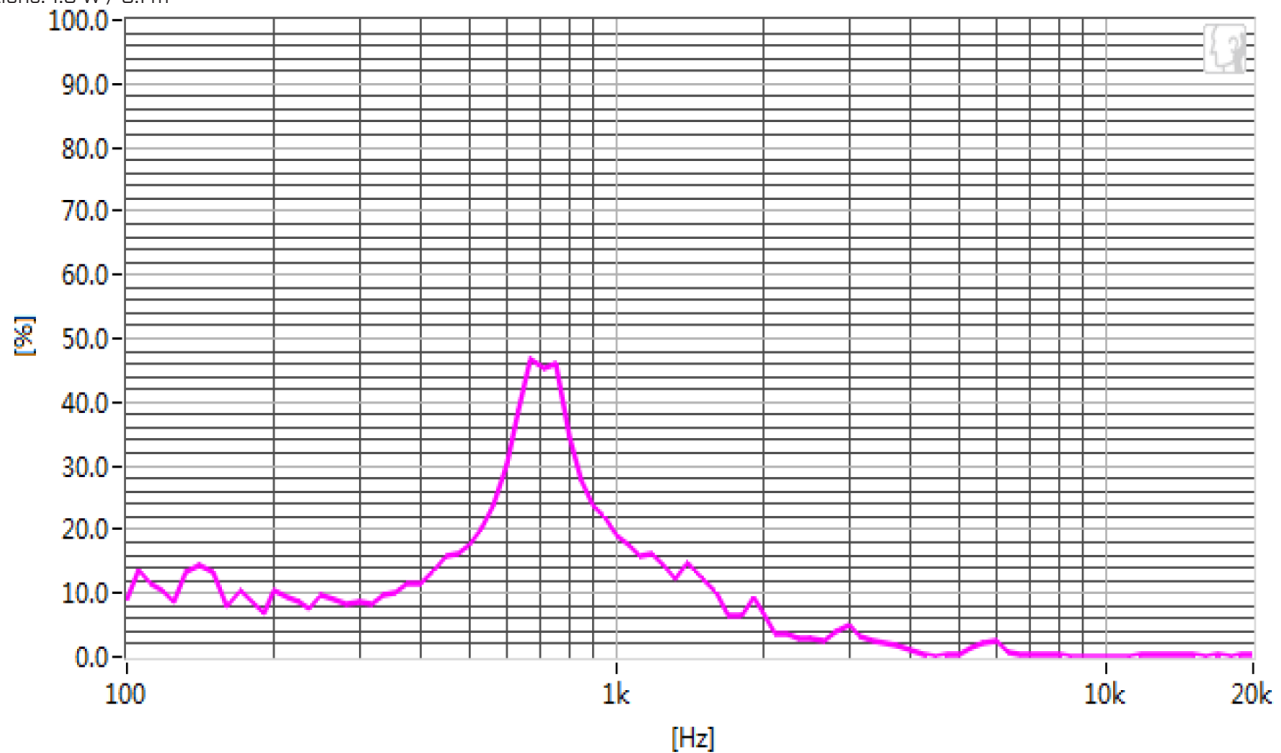
Frequency Response Curve

Test Conditions: 1.0 W / 0.1 m



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 0.1 m



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 01/03/2024 |
| 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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com