

**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

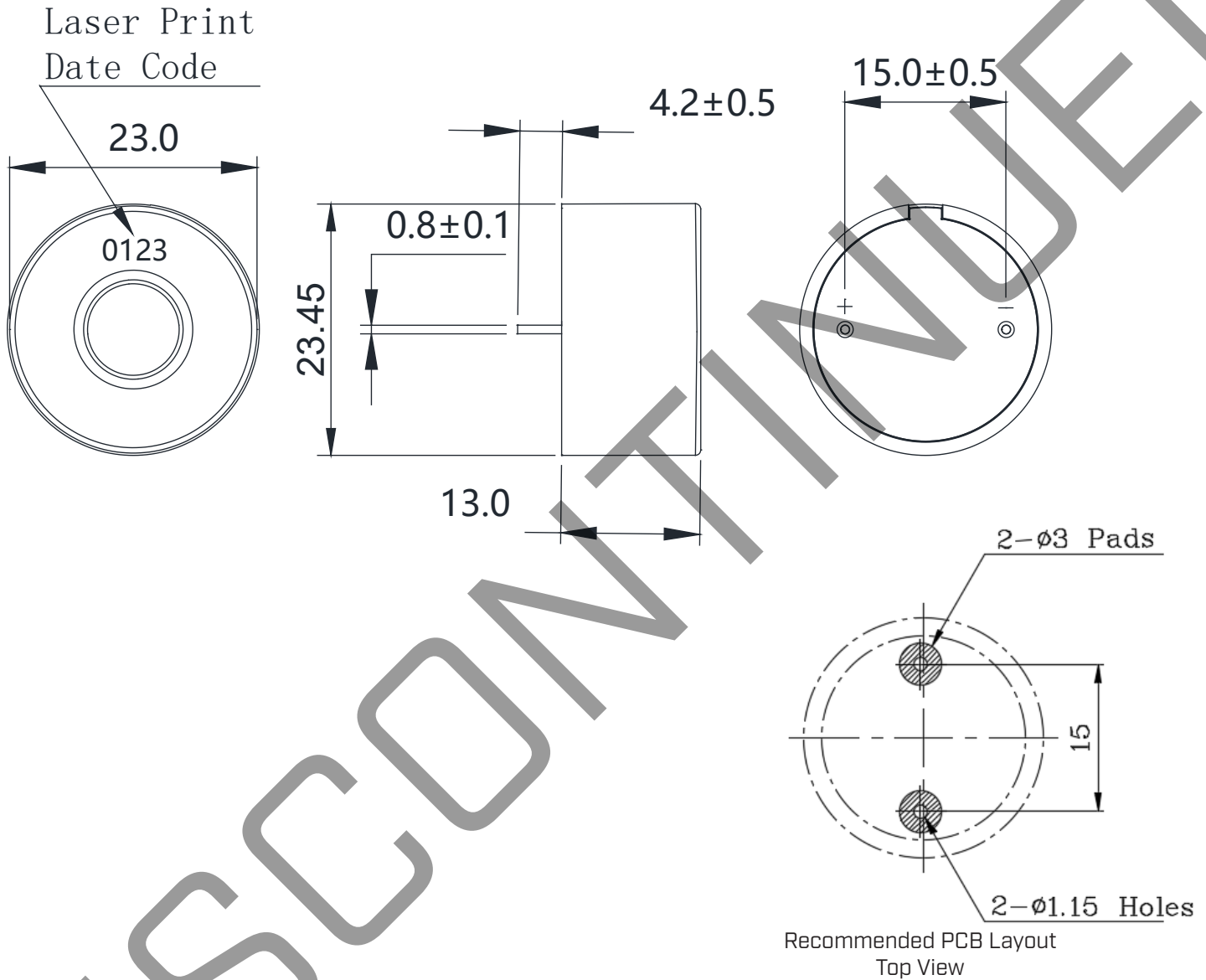
**SPECIFICATIONS**

| 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

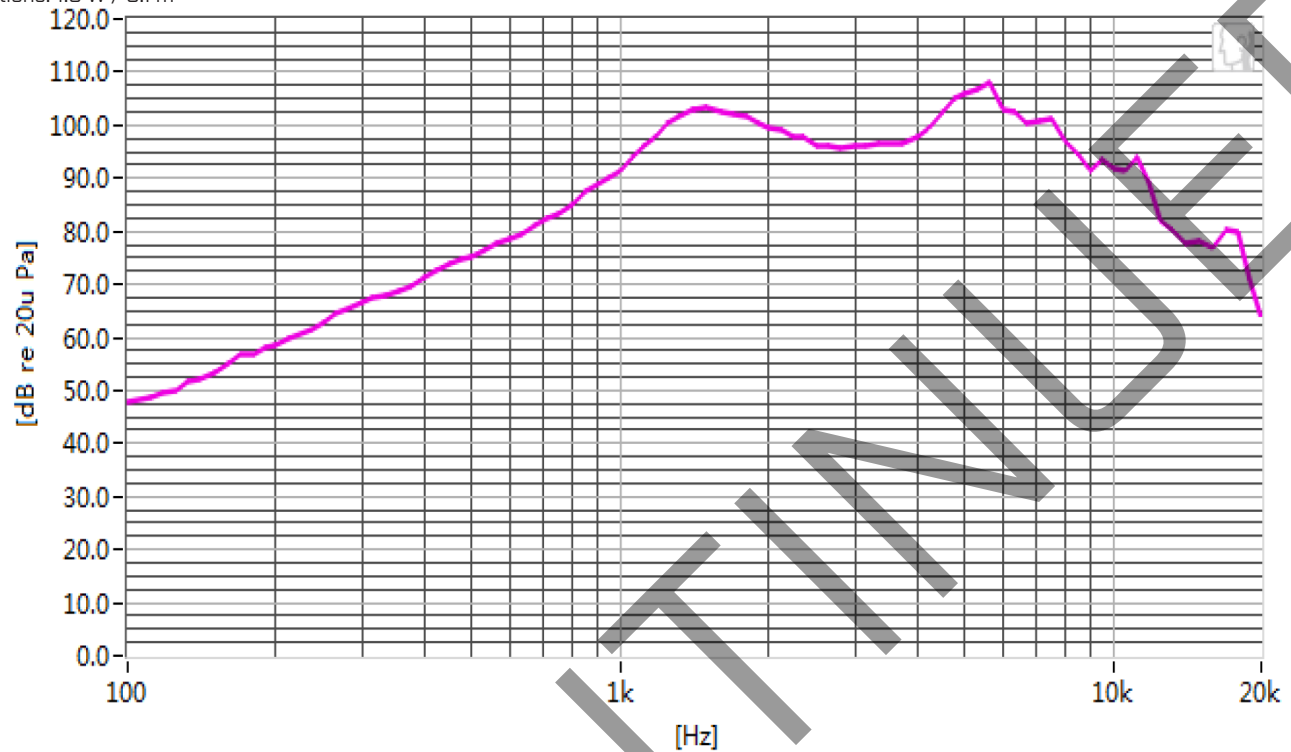
units: mm
tolerance: ± 0.5 mm



RESPONSE CURVES

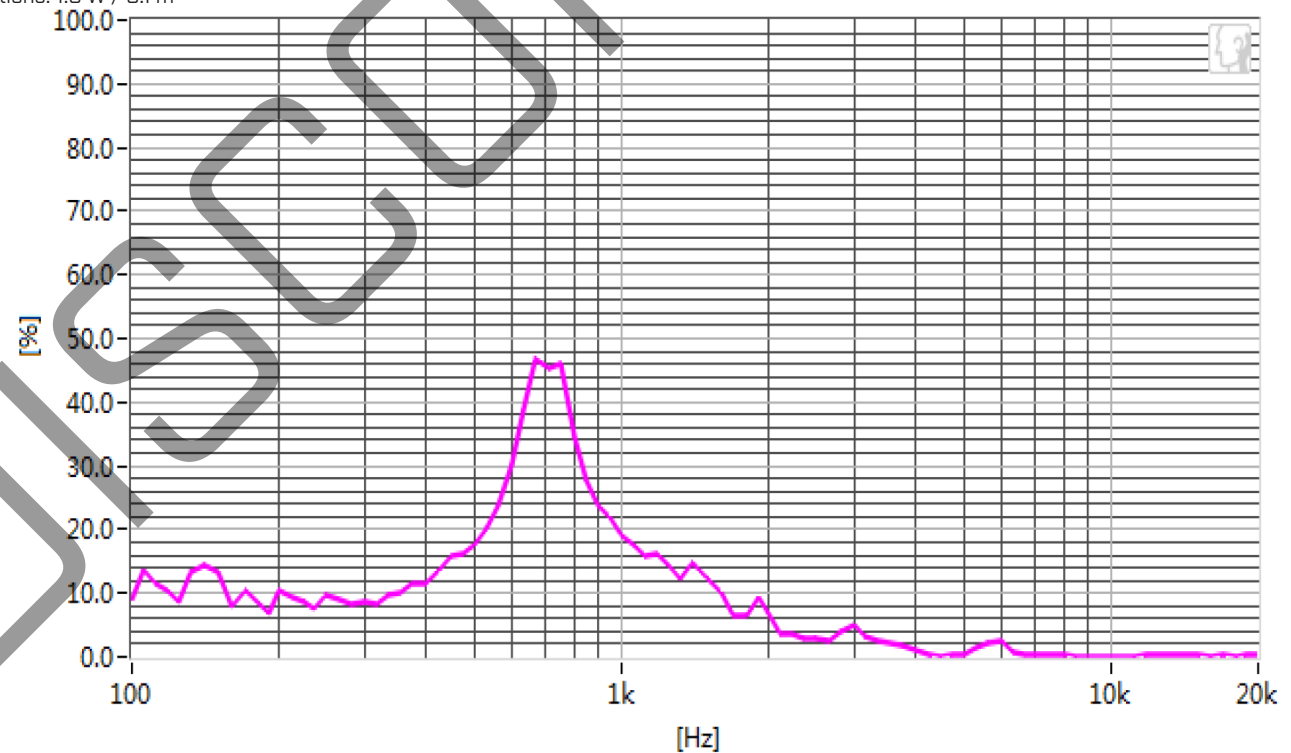
Frequency Response Curve

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.

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