



MODEL: CES-361811-18PM-67 | DESCRIPTION: SPEAKER

FEATURES

- IP67 rated
- 8 ohm rated impedance
- 1 W rated power



SPECIFICATIONS

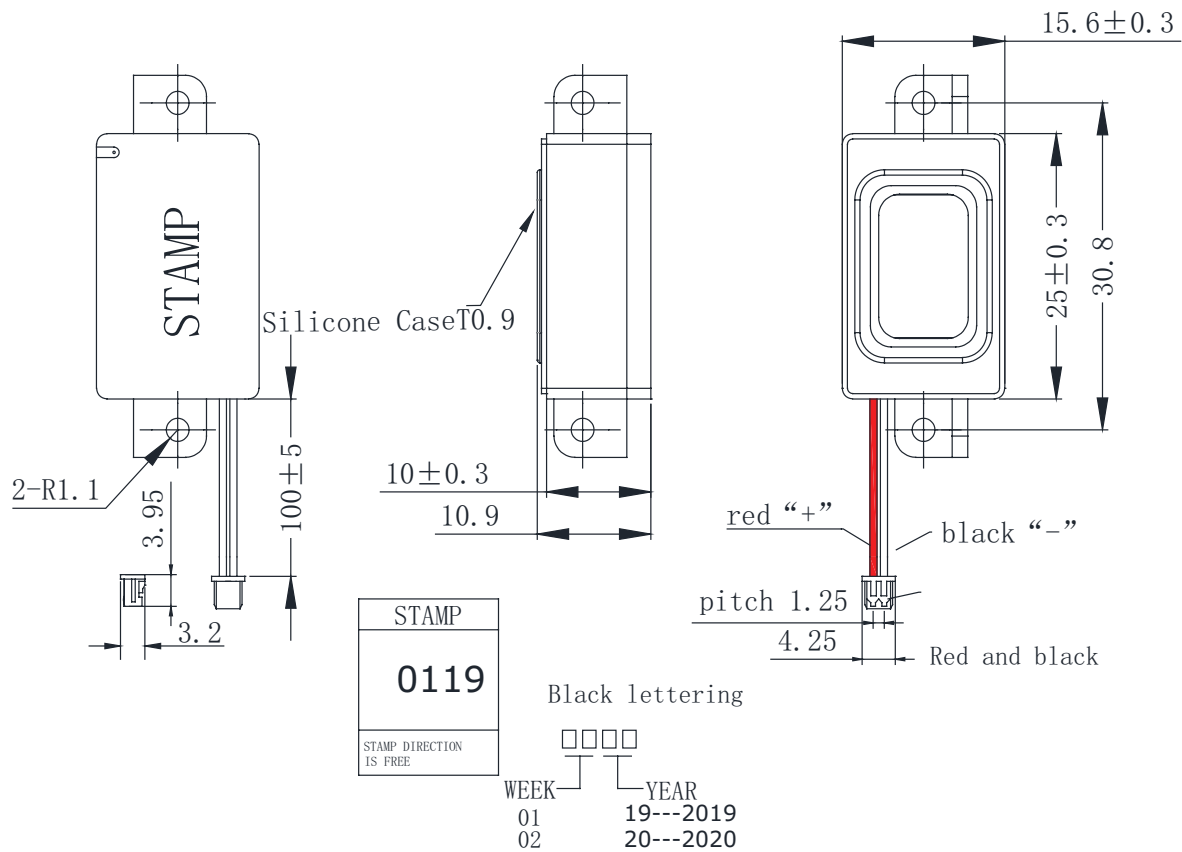
| parameter               | conditions/description                                                              | min | typ | max    | units |
|-------------------------|-------------------------------------------------------------------------------------|-----|-----|--------|-------|
| input power             | max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles(room temp) |     | 1.0 | 1.2    | W     |
| impedance               | at 2.0 kHz                                                                          | 6.8 | 8   | 9.2    | Ω     |
| resonant frequency (Fo) | at 1.0 V                                                                            | 720 | 900 | 1,080  | Hz    |
| frequency response      |                                                                                     | Fo  |     | 20,000 | Hz    |
| sound pressure level    | at 1.0 W, 10 cm, avg at 2.0 kHz                                                     | 86  | 89  | 92     | dB    |
| distortion              | at 1.0 kHz, rated power, 10 cm                                                      |     |     | 10     | %     |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range                                        |     |     | 2.83   | V     |
| polarity                | cone moves forward w/ positive dc current to “+” terminal                           |     |     |        |       |
| dimensions              | 25.0 x 15.6 x 10.9                                                                  |     |     |        | mm    |
| magnet                  | Nd-Fe-B                                                                             |     |     |        |       |
| enclosure material      | ABS                                                                                 |     |     |        |       |
| cone material           | PEEK                                                                                |     |     |        |       |
| terminal                | wire leads with connector                                                           |     |     |        |       |
| weight                  |                                                                                     |     | 4.0 |        | g     |
| operating temperature   |                                                                                     | -30 |     | 70     | °C    |
| storage temperature     |                                                                                     | -40 |     | 85     | °C    |
| RoHS                    | yes                                                                                 |     |     |        |       |
| IP level                | IP67 (front side)                                                                   |     |     |        |       |

Notes: 1. All specifications measured at 25-75°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

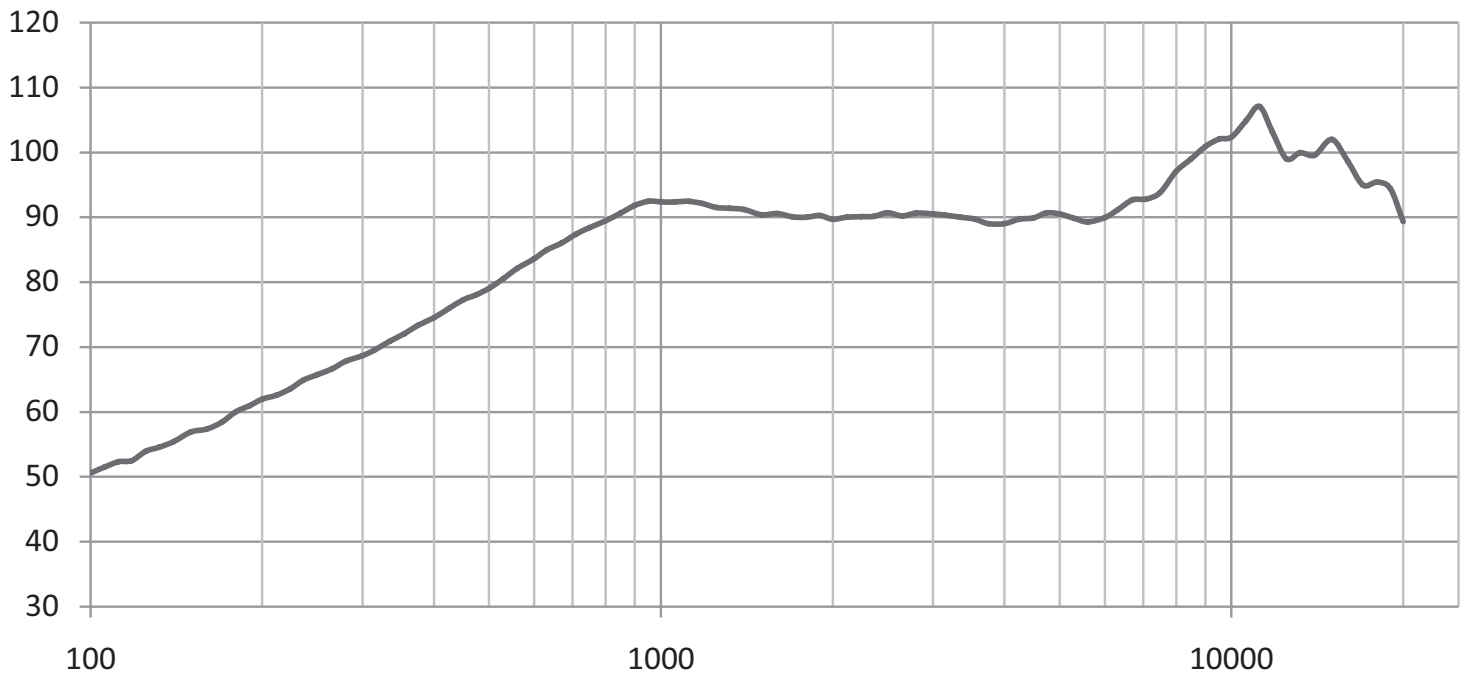
wire: UL1571 30 AWG  
internal speaker: CMS-18132-18SP  
connector: Molex 51021-0200 or equivalent; P=1.25



## RESPONSE CURVES

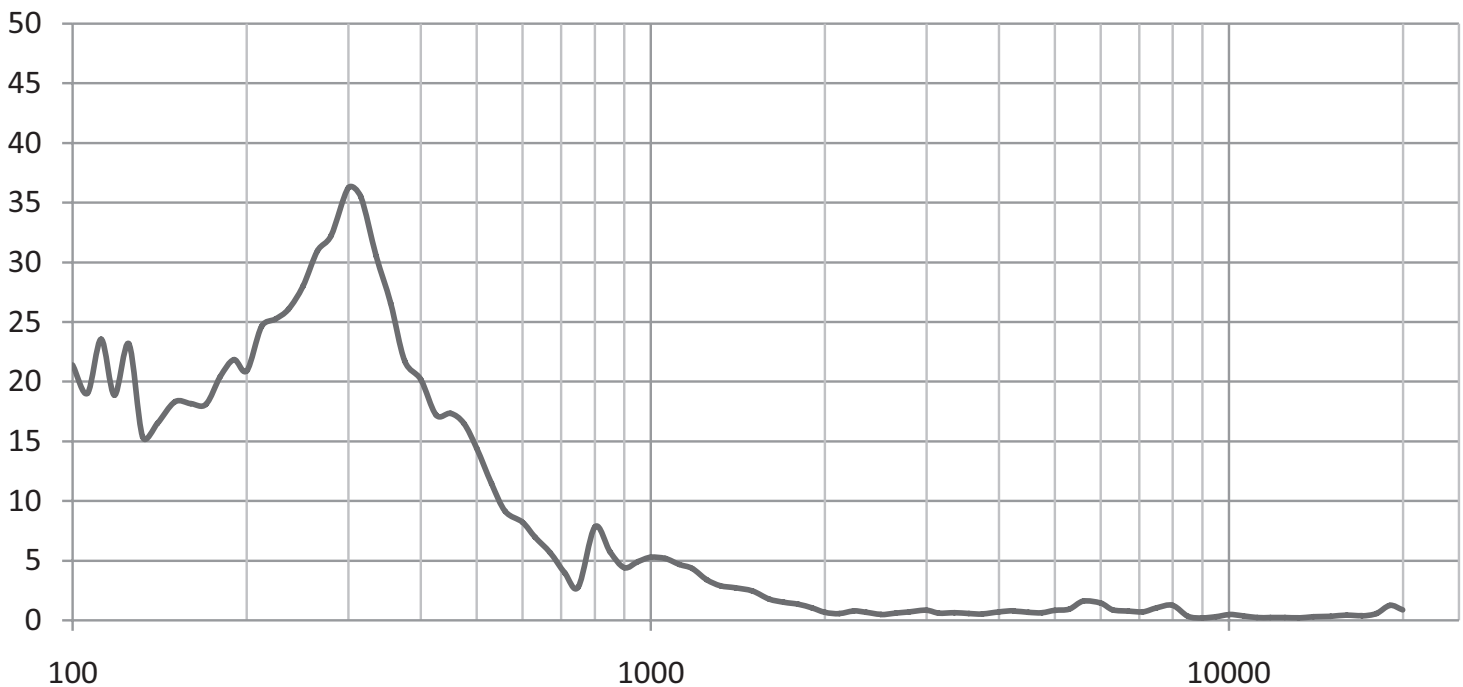
### Frequency Response Curve

Test Conditions: 1.0 W / 10 cm



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm



## PACKAGING

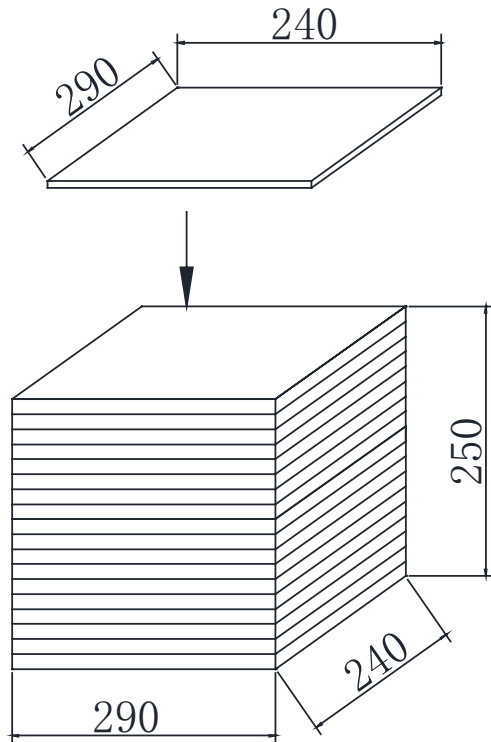
units: mm

Tray Size: 290 x 240 x 15 mm

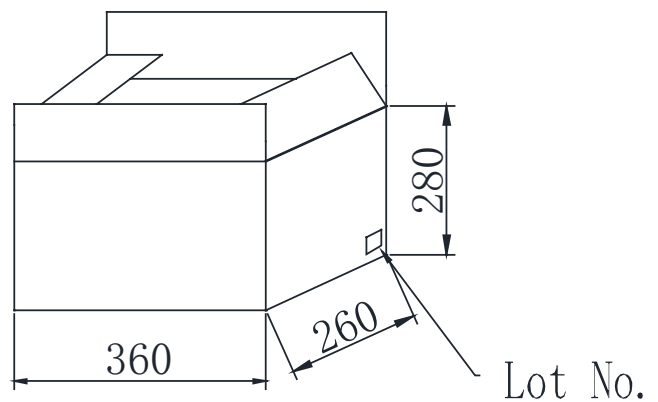
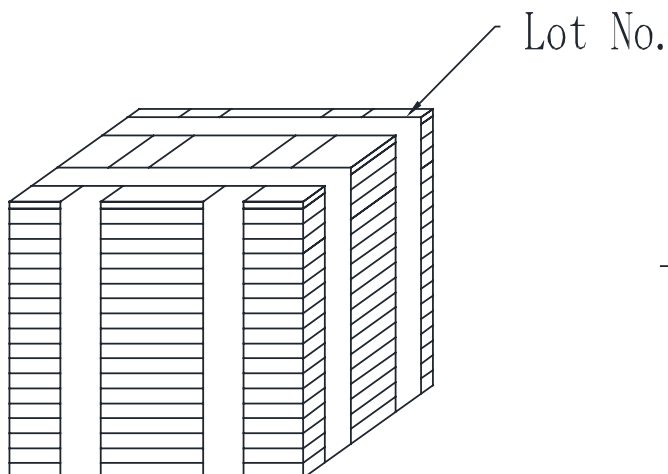
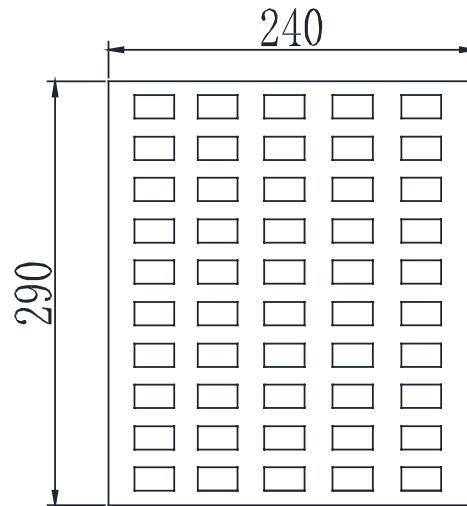
Tray QTY: 50 pcs per tray

Carton Size: 360 x 260 x 280 mm

Carton QTY: 700 pcs per carton



TRAY 50PCS



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/08/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | 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**