



MODEL: CES-30207-158L120-67 | DESCRIPTION: SPEAKER

FEATURES

- 8 ohm rated impedance
- 120 mm lead wire
- IP67 rated
- adhesive tape for mounting



SPECIFICATIONS

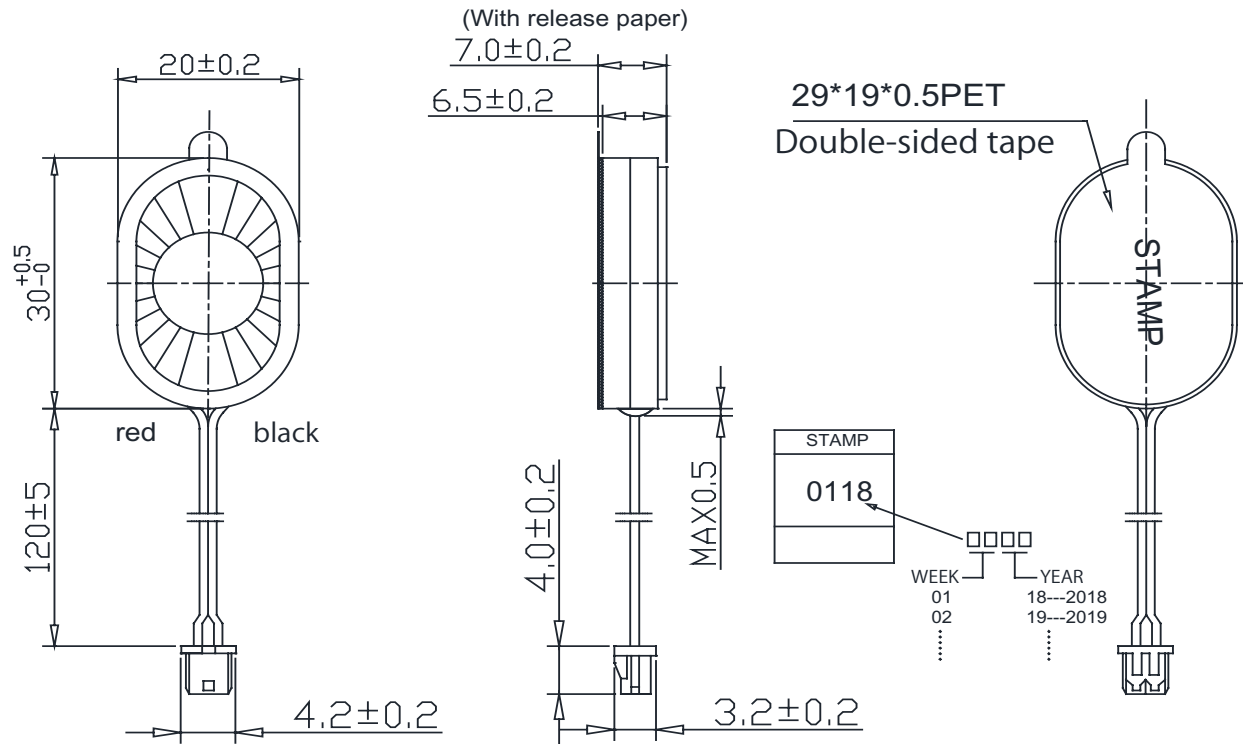
| parameter               | conditions/description                                                               | min   | typ   | max    | units    |
|-------------------------|--------------------------------------------------------------------------------------|-------|-------|--------|----------|
| input power             | max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles (room temp) |       | 1.5   | 2.0    | W        |
| impedance               | at 3.0 kHz, 1.0 V                                                                    | 6.8   | 8     | 9.2    | $\Omega$ |
| resonant frequency (Fo) | at 1.0 V                                                                             | 1,360 | 1,700 | 2,040  | Hz       |
| frequency response      |                                                                                      | Fo    |       | 20,000 | Hz       |
| sound pressure level    | at 1.5 W, 10 cm, avg at 3.0, 4.0, 5.0, 6.0 kHz                                       | 97    | 100   | 103    | dB       |
| distortion              | at 2.0 kHz, rated power                                                              |       |       | 10     | %        |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range                                         |       |       | 4.0    | V        |
| polarity                | cone moves forward w/ positive dc current to “+” terminal                            |       |       |        |          |
| dimensions              | 30.0 x 20.0 x 7.0                                                                    |       |       |        | mm       |
| magnet                  | Nd-Fe-B                                                                              |       |       |        |          |
| enclosure material      | ABS                                                                                  |       |       |        |          |
| cone material           | PEN                                                                                  |       |       |        |          |
| terminal                | wire leads with connector                                                            |       |       |        |          |
| weight                  |                                                                                      |       | 5.5   |        | g        |
| operating temperature   |                                                                                      | -40   |       | 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:  $\pm 0.2$  mm

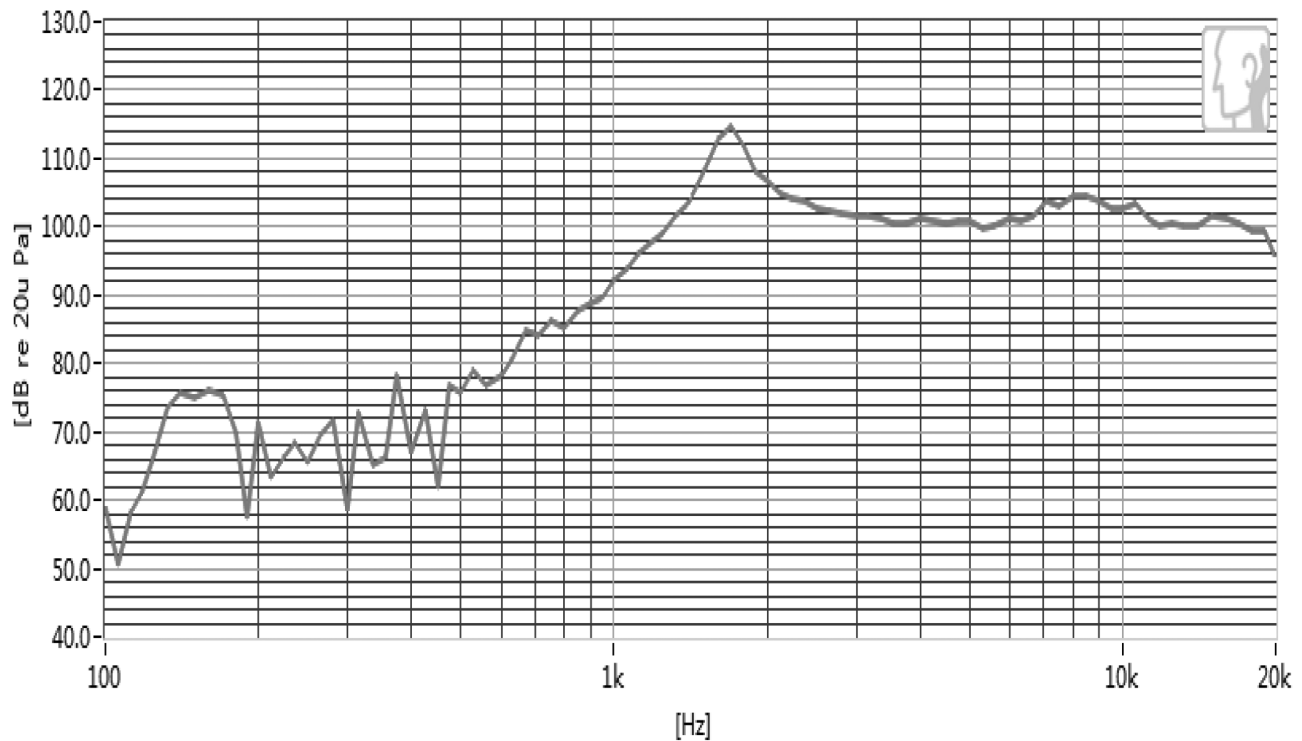
wire: UL1571 30 AWG  
internal speaker: CMS-30205-158L120-67  
connector: Molex 51021-0200 or equivalent; P=1.25



## RESPONSE CURVES

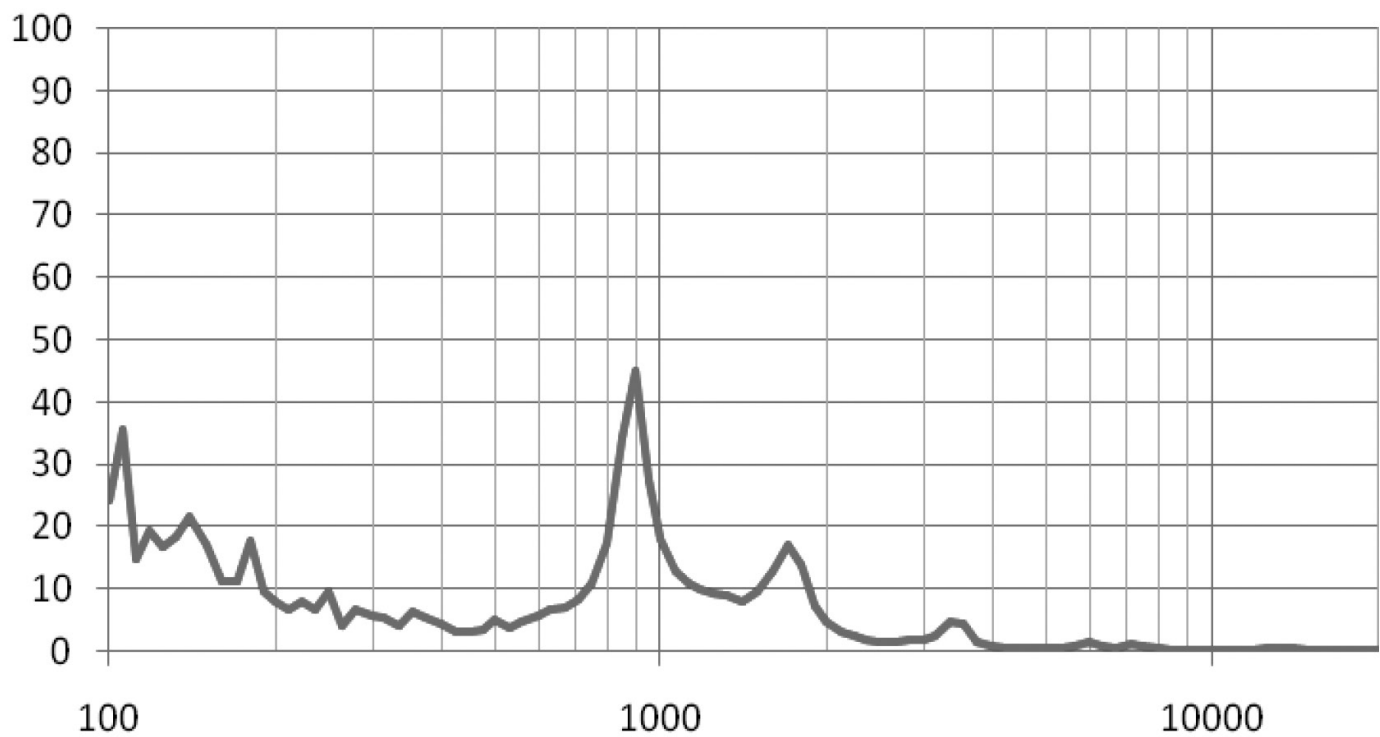
### Frequency Response Curve

Test Conditions: 1.5 W / 10 cm



### Total Harmonic Distortion Curve

Test Conditions: 1.5 W / 10 cm



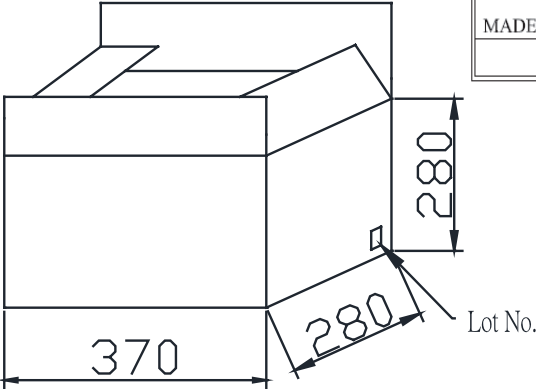
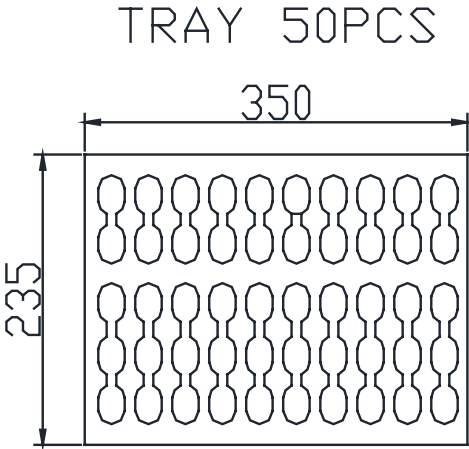
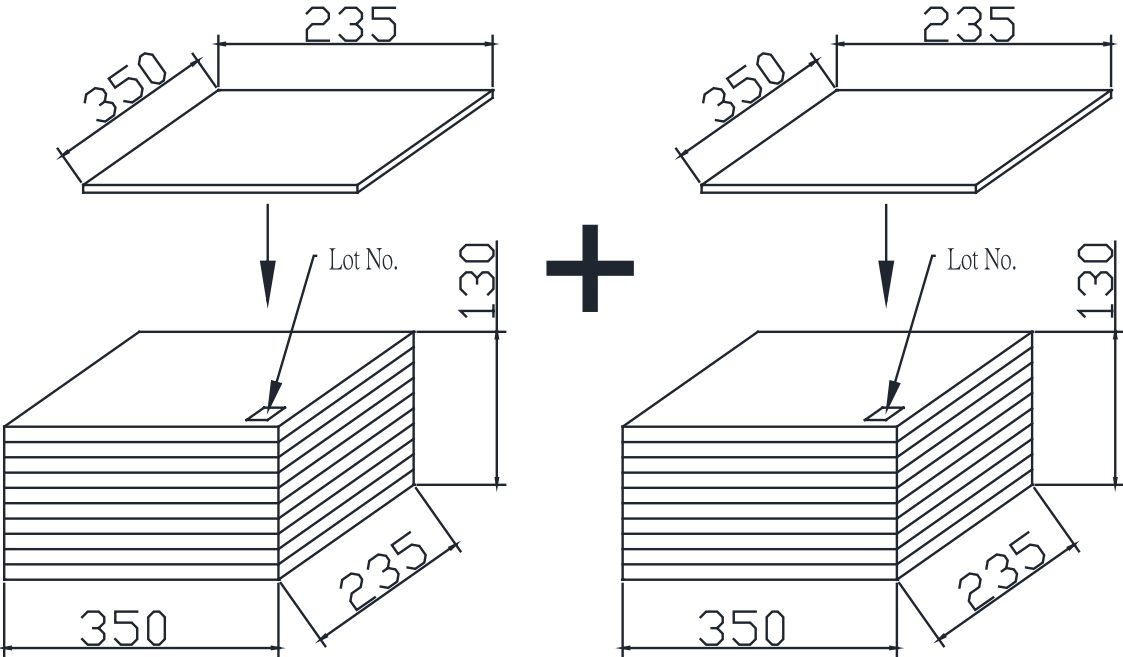
PACKAGING

units: mm

Tray Size: 350 x 235 x 15 mm  
Tray QTY: 50 pcs per tray  
Carton Size: 370 x 280 x 280 mm  
Carton QTY: 800 pcs per carton

$50\text{PCS} \times 8 = 400\text{PCS}$

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|           |                |
|-----------|----------------|
| Lot No.   | XXXXXXXXXX     |
| Part No.  | Invt. Part No. |
| Quantity. | XXXX Pcs       |
| Date:     | DD MM YY       |
|           | MADE IN CHINA  |

RoHs Compliant

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/08/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | added feature for adhesive tape   | 07/31/2023 |
| 1.03 | 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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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.

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