

MODEL: CES-361810-18PM | DESCRIPTION: SPEAKER

FEATURES

- 1 W rated power
- 8 ohm rated impedance
- panel mount



SPECIFICATIONS

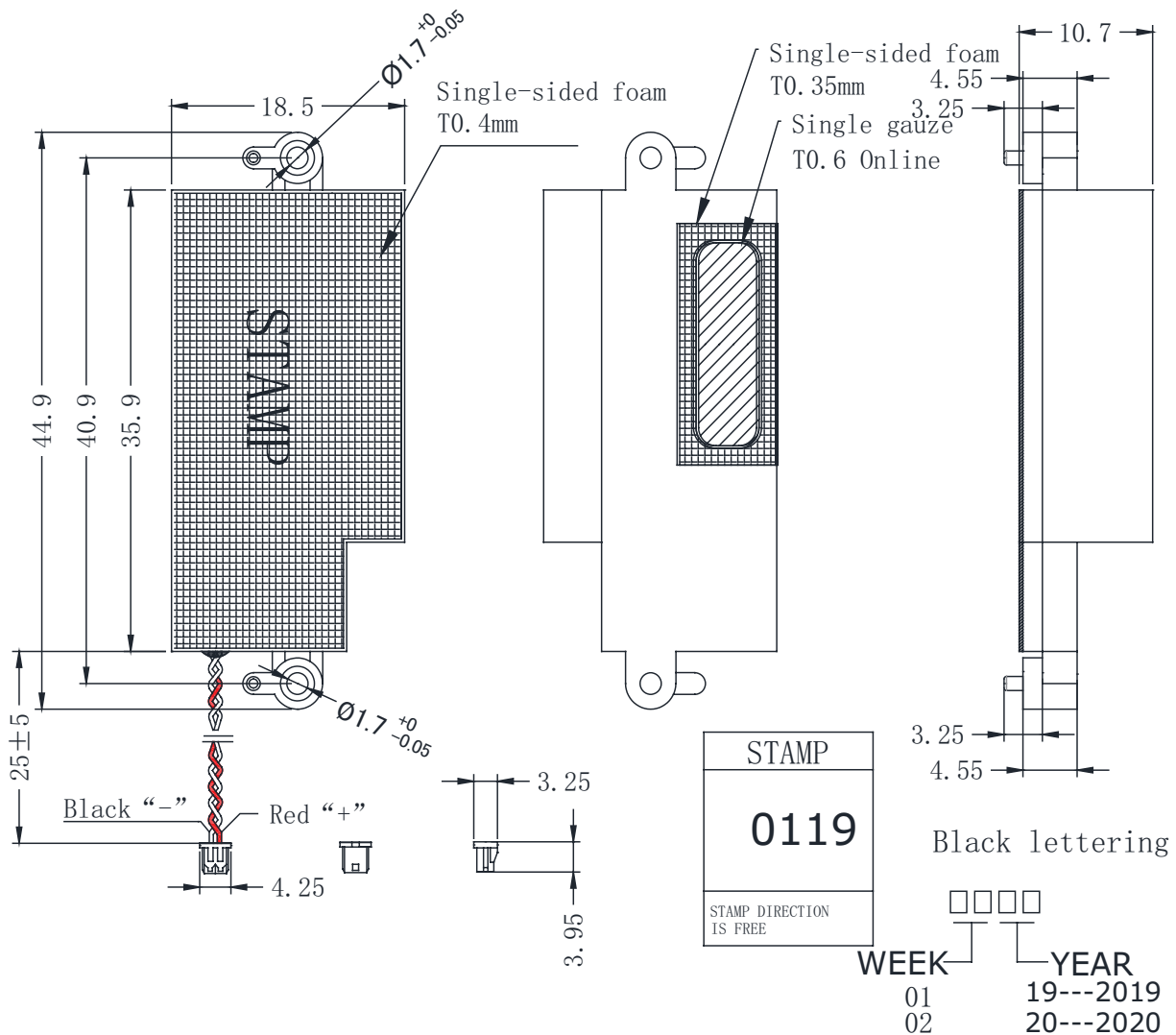
| parameter               | conditions/description                                                               | min  | typ   | max    | units              |
|-------------------------|--------------------------------------------------------------------------------------|------|-------|--------|--------------------|
| 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    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                                                             | 800  | 1,000 | 1,200  | Hz                 |
| frequency response      |                                                                                      | Fo   |       | 10,000 | Hz                 |
| sound pressure level    | at 1.0 W, 10 cm, avg at 2.0 kHz                                                      | 87.5 | 90.5  | 93.5   | 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              | 35.9 x 18.5 x 10.7                                                                   |      |       |        | mm                 |
| magnet                  | Nd-Fe-B                                                                              |      |       |        |                    |
| enclosure material      | ABS                                                                                  |      |       |        |                    |
| cone material           | PEEK                                                                                 |      |       |        |                    |
| terminal                | wire leads with connector                                                            |      |       |        |                    |
| weight                  |                                                                                      |      | 4.1   |        | g                  |
| operating temperature   |                                                                                      | -30  |       | 70     | $^{\circ}\text{C}$ |
| storage temperature     |                                                                                      | -40  |       | 85     | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                                                  |      |       |        |                    |

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

## MECHANICAL DRAWING

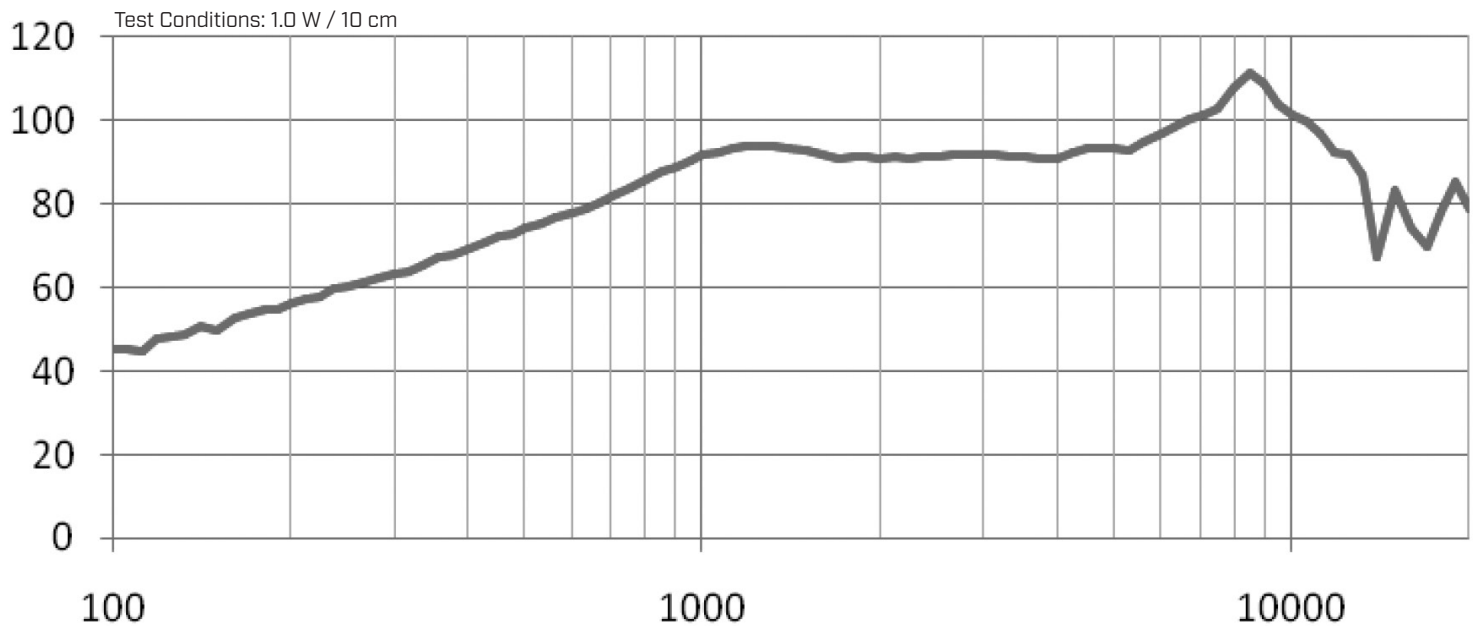
units: mm  
tolerance:  $\pm 0.5$  mm

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

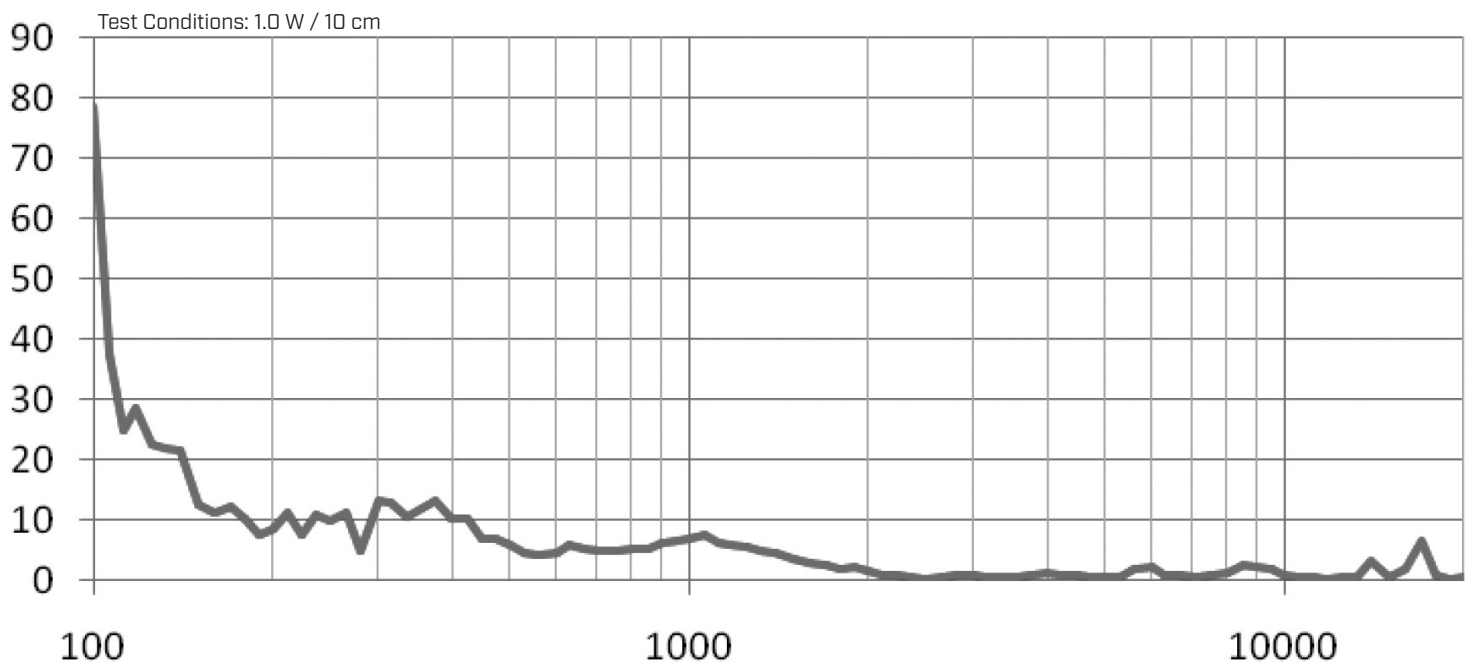


## RESPONSE CURVES

### Frequency Response Curve



### Total Harmonic Distortion Curve

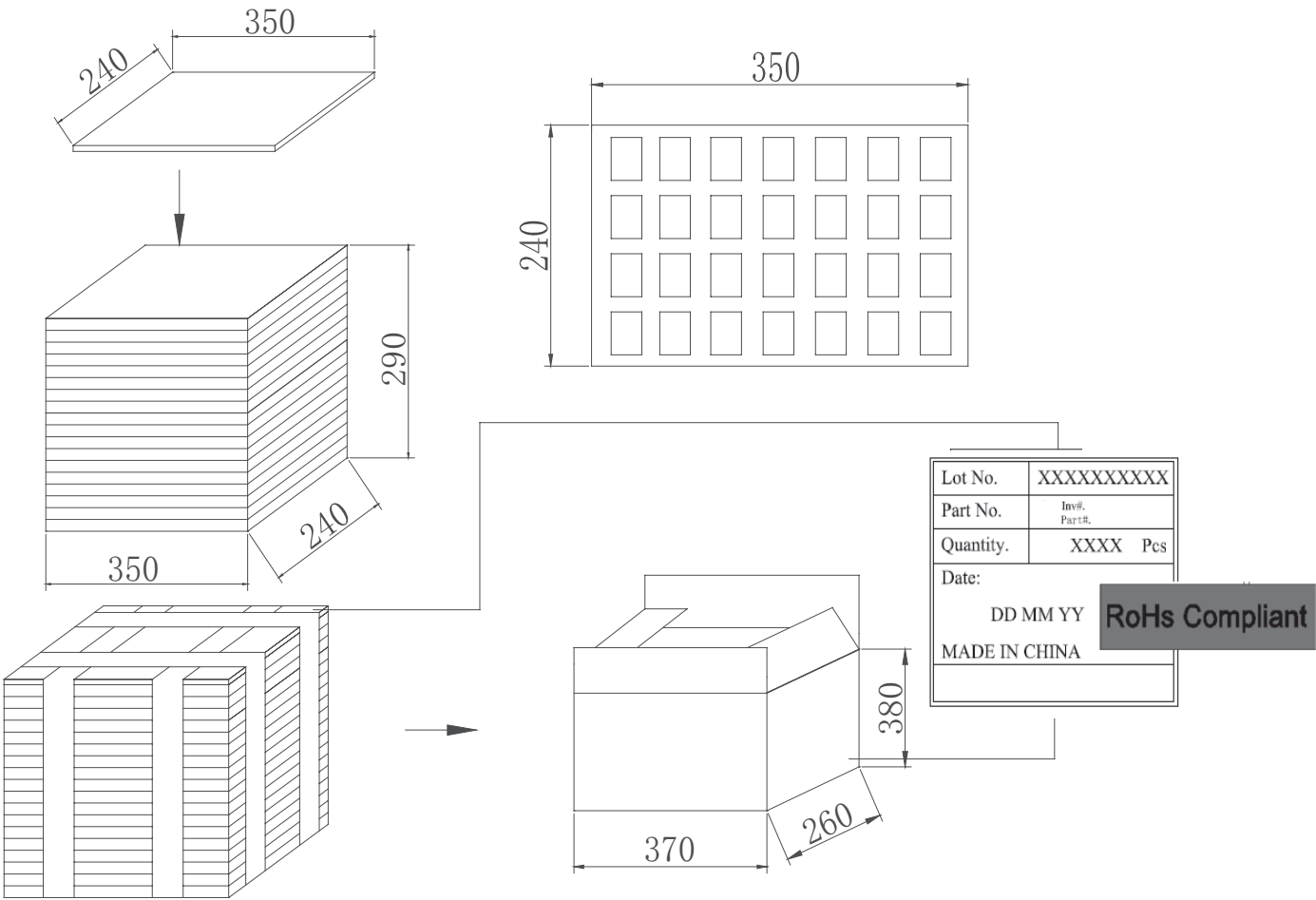


**PACKAGING**

units: mm

Tray Size: 350 x 240 x 16 mm  
Tray QTY: 28 pcs per tray  
Carton Size: 370 x 260 x 380 mm  
Carton QTY: 504 pcs per carton

**TRAY 28PCS**



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.

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