

**MODEL:** CES-50508-24PM-67 | **DESCRIPTION:** SPEAKER**FEATURES**

- enclosed
- holes for panel mounting

**SPECIFICATIONS**

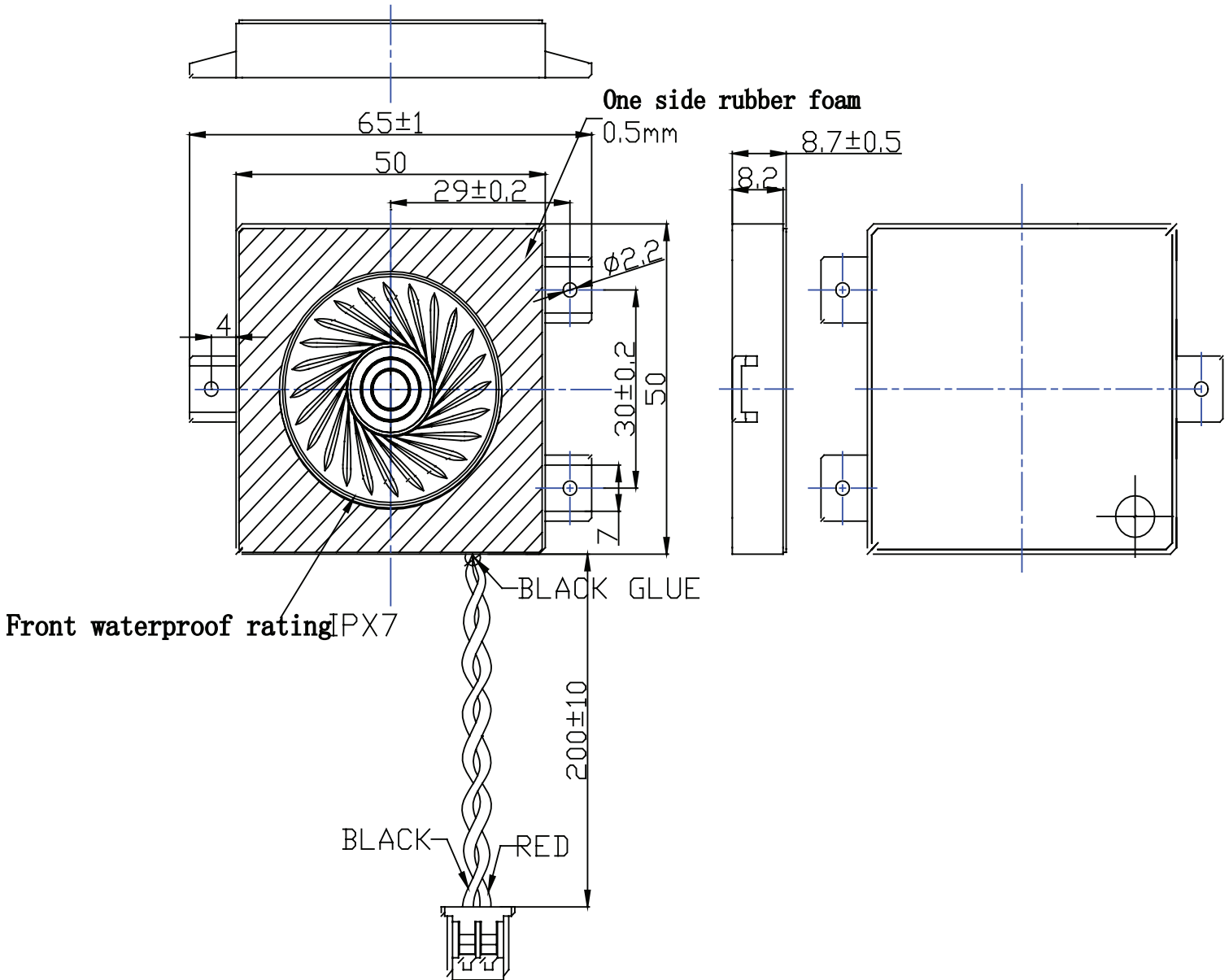
| parameter               | conditions/description                                                                           | min       | typ       | max       | units              |
|-------------------------|--------------------------------------------------------------------------------------------------|-----------|-----------|-----------|--------------------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles                                                 |           | 2.0       | 3.0       | W                  |
| impedance               | at 1.0 kHz, 1 V                                                                                  | 3.4       | 4         | 4.6       | $\Omega$           |
| coil resistance         |                                                                                                  | 3.33      | 3.7       | 4.07      | $\Omega$           |
| resonant frequency [Fo] | at 1.0 V                                                                                         | 750       | 850       | 950       | Hz                 |
| frequency response      |                                                                                                  | Fo        |           | 20,000    | Hz                 |
| sound pressure level    | at 0.1 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz<br>at 2.0 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz | 92<br>105 | 95<br>108 | 98<br>111 | dB<br>dB           |
| distortion              | at 1.0 kHz, 0.1 W                                                                                |           |           | 5         | %                  |
| buzz, rattle, etc.      | "must be normal at sine wave between 400 Hz ~ 4 kHz                                              |           |           | 2.83      | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal                                        |           |           |           |                    |
| dimensions              | 50 x 50 x 8.7                                                                                    |           |           |           | mm                 |
| magnet                  | Nd-Fe-B                                                                                          |           |           |           |                    |
| enclosure material      | PBT+ABS757                                                                                       |           |           |           |                    |
| cone material           | PEI                                                                                              |           |           |           |                    |
| terminal                | wire leads with connector                                                                        |           |           |           |                    |
| weight                  |                                                                                                  | 16.6      | 18.6      | 20.6      | g                  |
| operating temperature   |                                                                                                  | -20       |           | 60        | $^{\circ}\text{C}$ |
| storage temperature     |                                                                                                  | -25       |           | 70        | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                                                              |           |           |           |                    |
| IP level                | IPX7                                                                                             |           |           |           |                    |

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:  $\pm 0.3$  mm

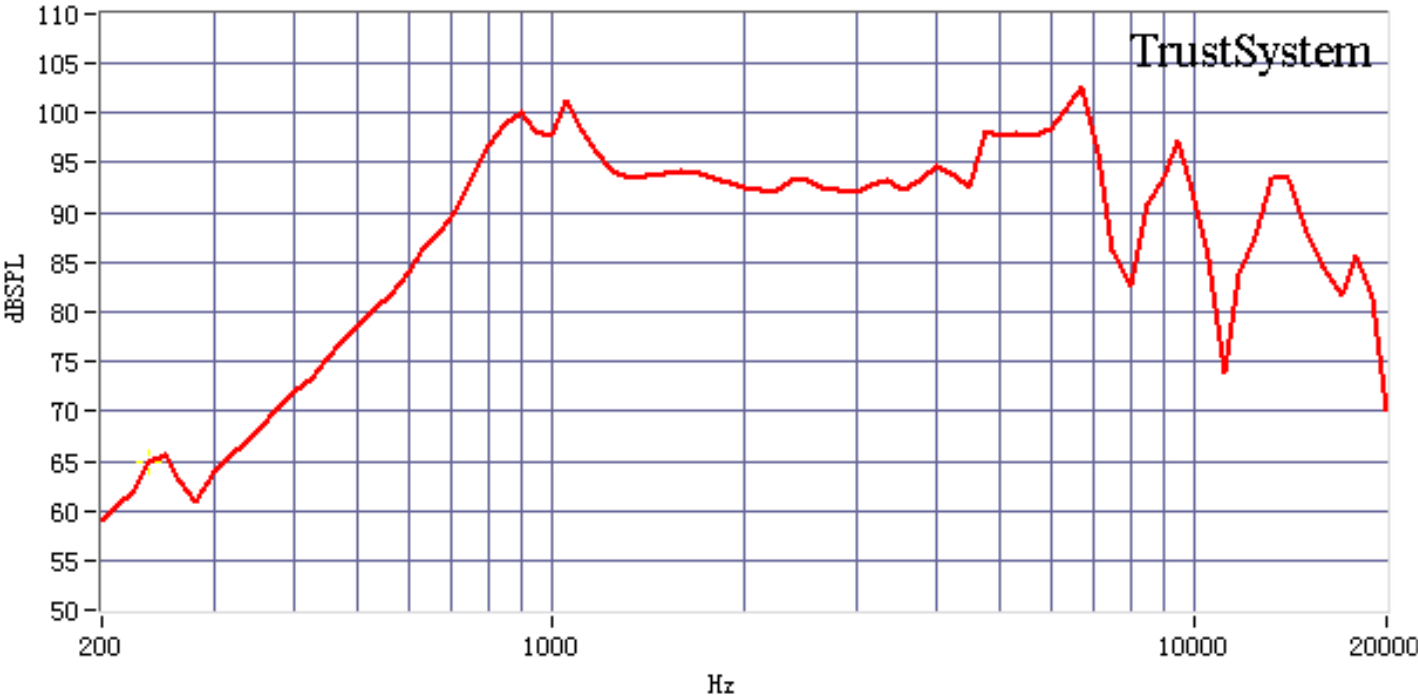
wire: UL1571 28 AWG  
connector: YEONHO 12505TS  
mating connector: YEONHO 12505WR-02A00



RESPONSE CURVES

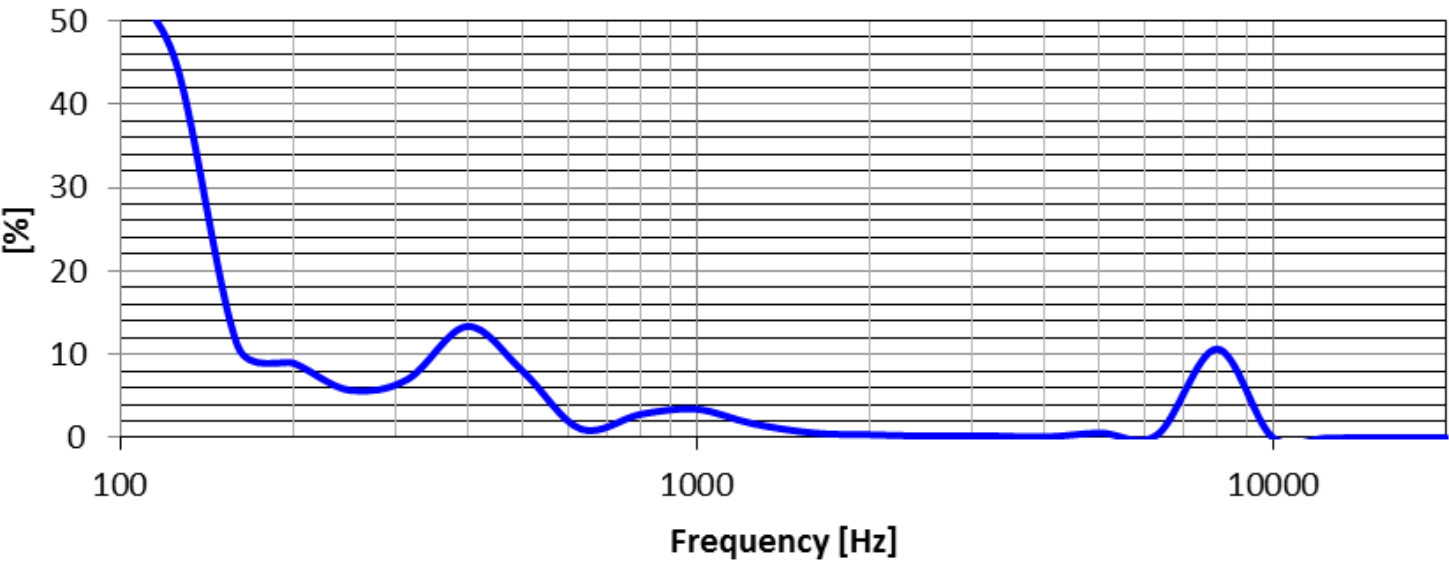
Frequency Response Curve

Test Conditions: 0.1 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 0.1 W / 10 cm



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/06/2023 |
| 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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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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