

**SERIES:** CMS-15113-076X-67 | **DESCRIPTION:** SPEAKER**FEATURES**

- IP67 rated face
- protection against dust and water ingress
- micro-speaker
- 3 mm height
- 3 available contact methods

**SPECIFICATIONS**

| parameter               | conditions/description                                    | min  | typ | max    | units              |
|-------------------------|---|------|-----|--------|--------------------|
| input power             | max power: as per IEC-268-5, in 1 cc box                  |      | 0.7 | 1.0    | W                  |
| impedance               | at 2.0 kHz, 2.05 Vrms                                     | 5.1  | 6   | 6.9    | $\Omega$           |
| coil resistance         |   | 4.59 | 5.4 | 6.21   | $\Omega$           |
| resonant frequency (Fo) | at 1.0 Vrms in free air, 10 cm                            | 480  | 600 | 720    | Hz                 |
|                         | at 2.05 Vrms in 1 cc box, 10 cm                           | 720  | 900 | 1,080  | Hz                 |
| frequency response      |   | 100  |     | 20,000 | Hz                 |
| sound pressure level    | at 0.7 W, 10 cm, avg 0.8, 1.0, 1.5, 2.0 kHz, 1 cc box     | 89   | 92  | 95     | dB                 |
| distortion              | at 800~1,200 Hz, 2.05 Vrms, 10 cm                         |      |     | 15     | %                  |
|                         | at 1,201~5,000 Hz, 2.05 Vrms, 10 cm                       |      |     | 10     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, 0.2~2 kHz, 1 cc box          |      |     | 2.05   | Vrms               |
| polarity                | cone moves forward w/ positive dc current to "+" terminal |      |     |        |                    |
| dimensions              | 15 x 11 x 3   |      |     |        | mm                 |
| magnet                  | Nd-Fe-B   |      |     |        |                    |
| cone material           | mylar   |      |     |        |                    |
| weight                  |   |      | 1.5 |        | g                  |
| operating temperature   |   | -20  |     | 70     | $^{\circ}\text{C}$ |
| storage temperature     |   | -40  |     | 85     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds (N/A for spring contacts)           |      |     | 380    | $^{\circ}\text{C}$ |
| RoHS                    | yes   |      |     |        |                    |
| IP level                | IP67 (front side)   |      |     |        |                    |

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 25~75%, under 86~106 kPa pressure, unless otherwise noted.

**PART NUMBER KEY****CMS-15113-076 XX - 67**

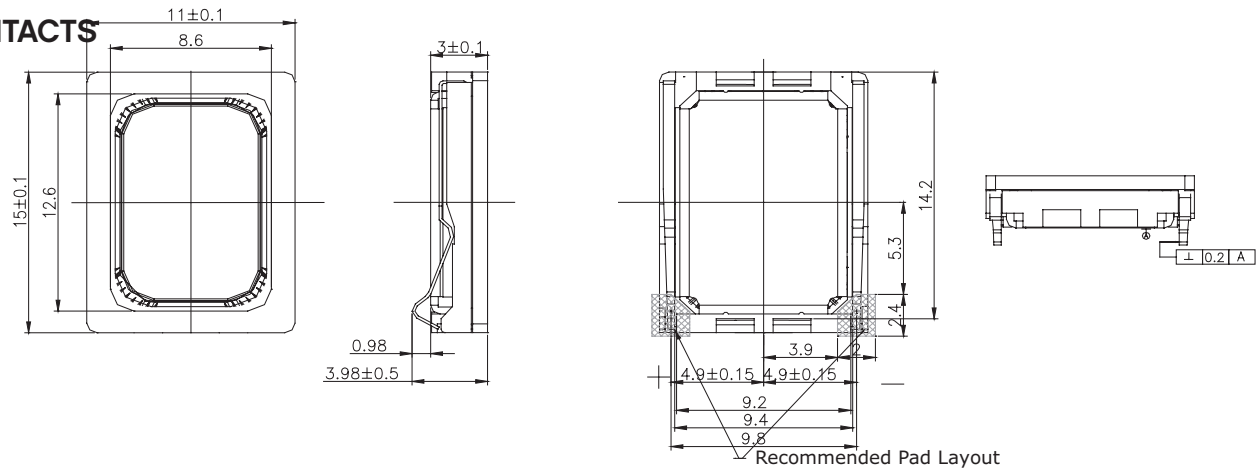
Base Number

Termination Options:  
S = spring contacts  
SP = solder pads  
L100 = wire leads

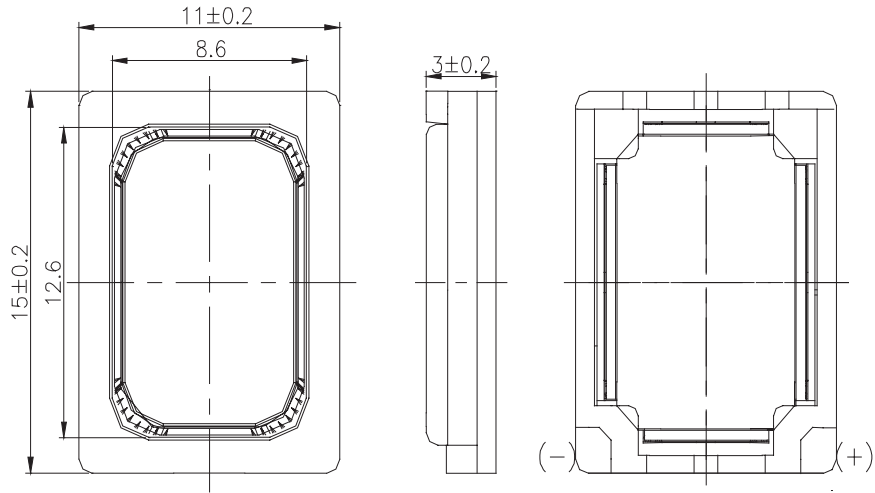
MECHANICAL DRAWINGS

units: mm  
tolerance:  $\pm 0.2$  mm

SPRING CONTACTS

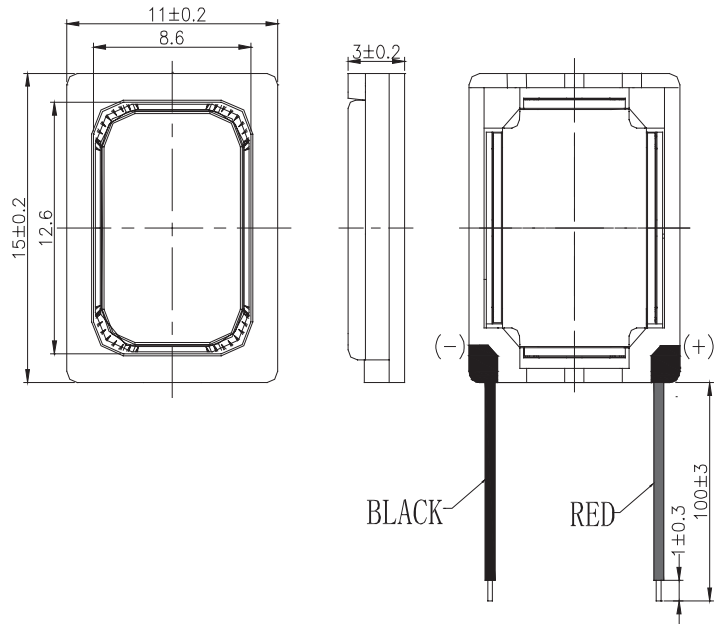


SOLDER PADS



WIRE LEADS

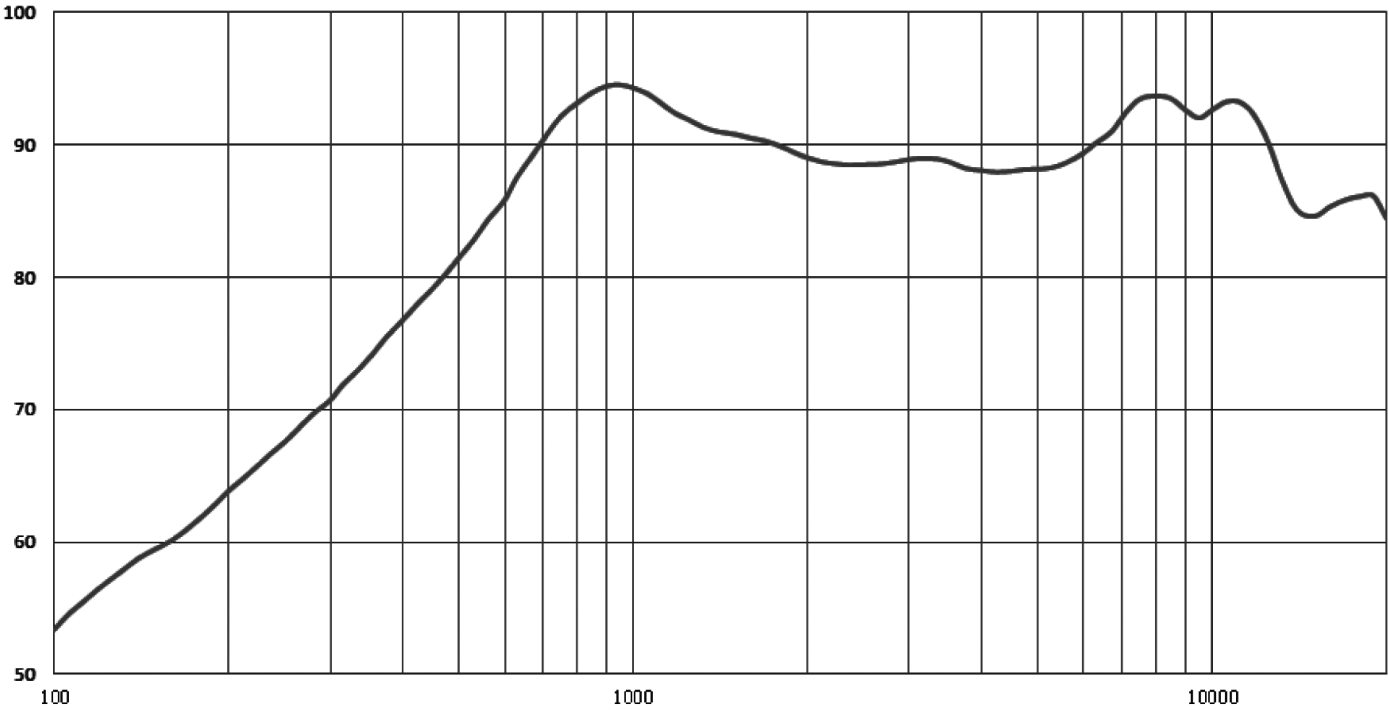
wire: UL 1571, 32 AWG



RESPONSE CURVES

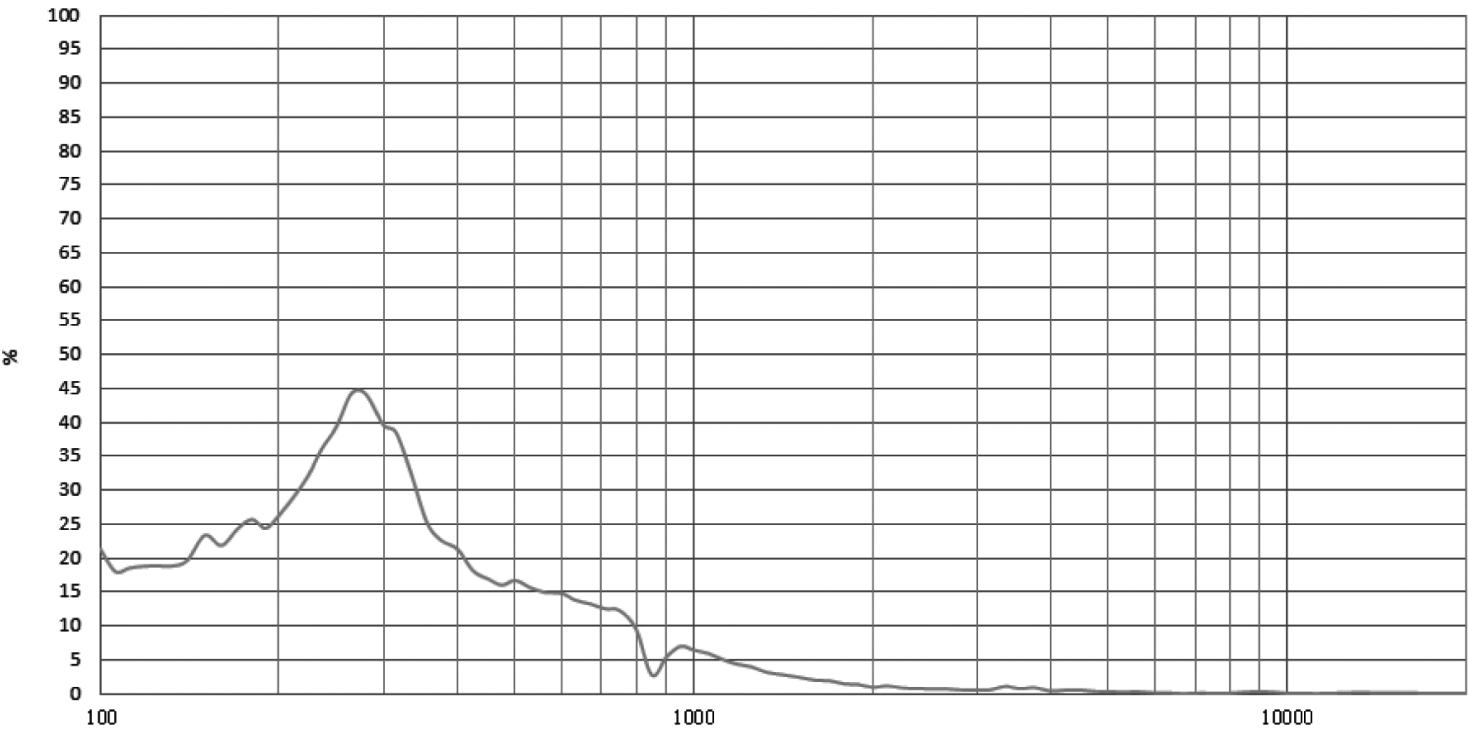
Frequency Response Curve

Test Conditions: 2.05 Vrms / 10 cm in 1 cc box



Total Harmonic Distortion Curve

Test Conditions: 2.05 Vrms / 10 cm in 1 cc box

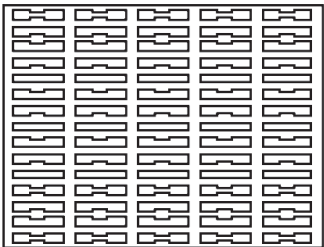


**PACKAGING**

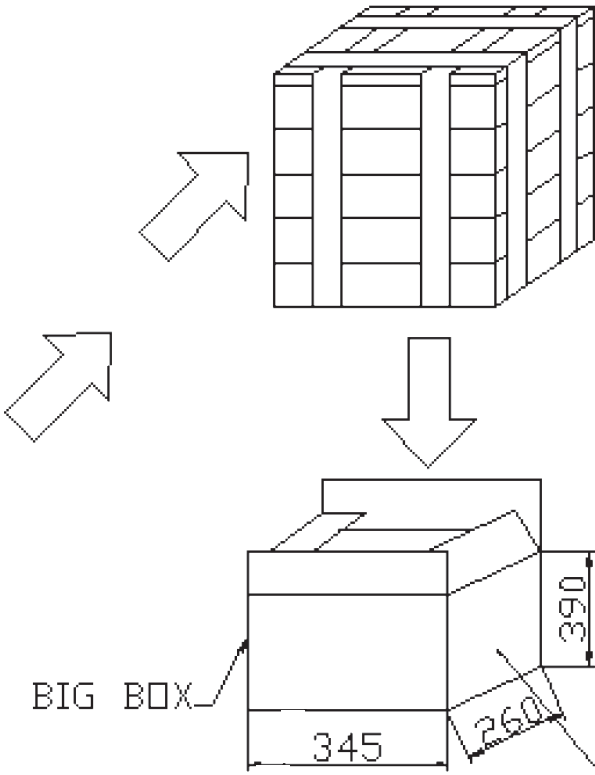
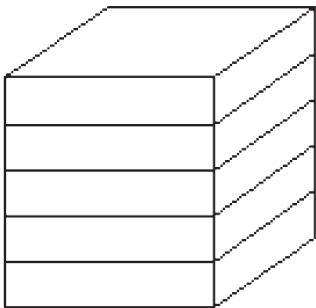
units: mm

Tray QTY: 150 pcs per tray  
Carton Size: 345 x 260 x 390 mm  
Carton QTY: 4,500 pcs per carton

$150\text{PCS} \times 1 = 150\text{PCS}$



$150\text{PCS} \times 30 = 4500\text{PCS}$



|        |               |
|--------|---------------|
| 6      | 11            |
| 7      | 5             |
| MODEL: |               |
| QTY:   | PCS           |
| NW:    | kg            |
| G.W:   | kg            |
| SIZE:  | 345x260x390mm |
| LOT NO |               |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/23/2018 |
| 1.01 | brand update                      | 01/24/2020 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 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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