



MODEL: CMS-352052-24SP-X7 | DESCRIPTION: SPEAKER

FEATURES

- IPX7 rated
- rated 2.0 W
- 8  $\Omega$



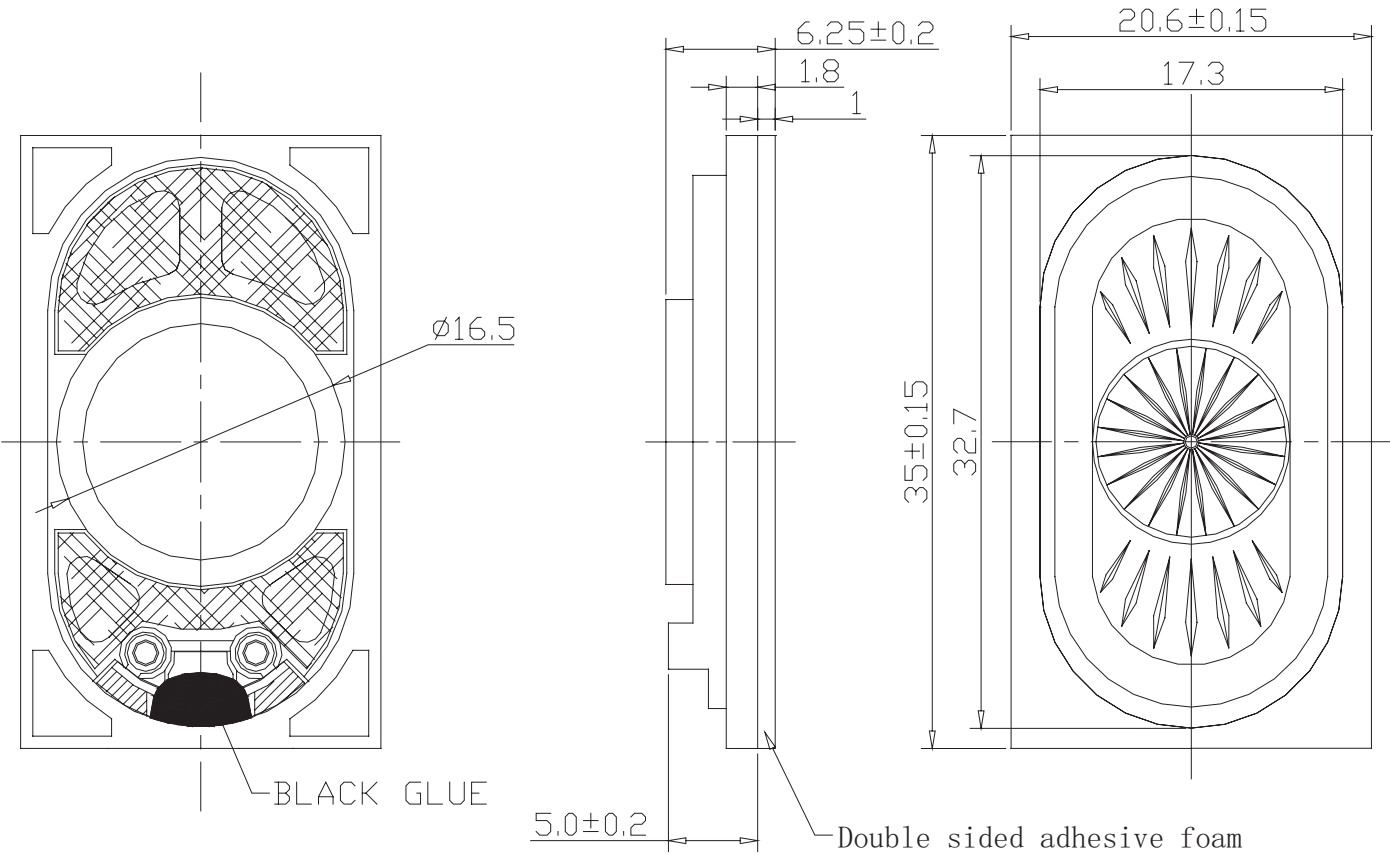
SPECIFICATIONS

| parameter               | conditions/description                                    | min | typ | max    | units    |
|-------------------------|-----------------------------------------------------------|-----|-----|--------|----------|
| input power             | max power: as per IEC-268-5                               |     | 2.0 | 2.5    | W        |
| impedance               | at 1.0 kHz, 1 V                                           | 6.8 | 8   | 9.2    | $\Omega$ |
| resonant frequency (Fo) | at 1 V                                                    | 680 | 850 | 1,020  | Hz       |
| frequency response      |                                                           | Fo  |     | 20,000 | Hz       |
| sound pressure level    | at 1 W, 10 cm, avg 520, 650, 780 Hz                       | 98  | 101 | 104    | dB       |
| distortion              | at Fo~10 kHz, 1 V, 10 cm, sine wave                       |     |     | 10     | %        |
|                         | at 1 kHz, 1 V, 10 cm, sine wave                           |     |     | 5      | %        |
| 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 x 20.6 x 6.25                                          |     |     |        | mm       |
| magnet                  | Nd-Fe-B                                                   |     |     |        |          |
| frame material          | PBT                                                       |     |     |        |          |
| cone material           | PEI                                                       |     |     |        |          |
| terminal                | solder pads                                               |     |     |        |          |
| weight                  |                                                           |     | 7.6 |        | g        |
| operating temperature   |                                                           | -30 |     | 70     | °C       |
| storage temperature     |                                                           | -40 |     | 85     | °C       |
| hand soldering          | for maximum 3 seconds                                     |     |     | 380    | °C       |
| RoHS                    | yes                                                       |     |     |        |          |
| IP level                | IPX7 (front side)                                         |     |     |        |          |

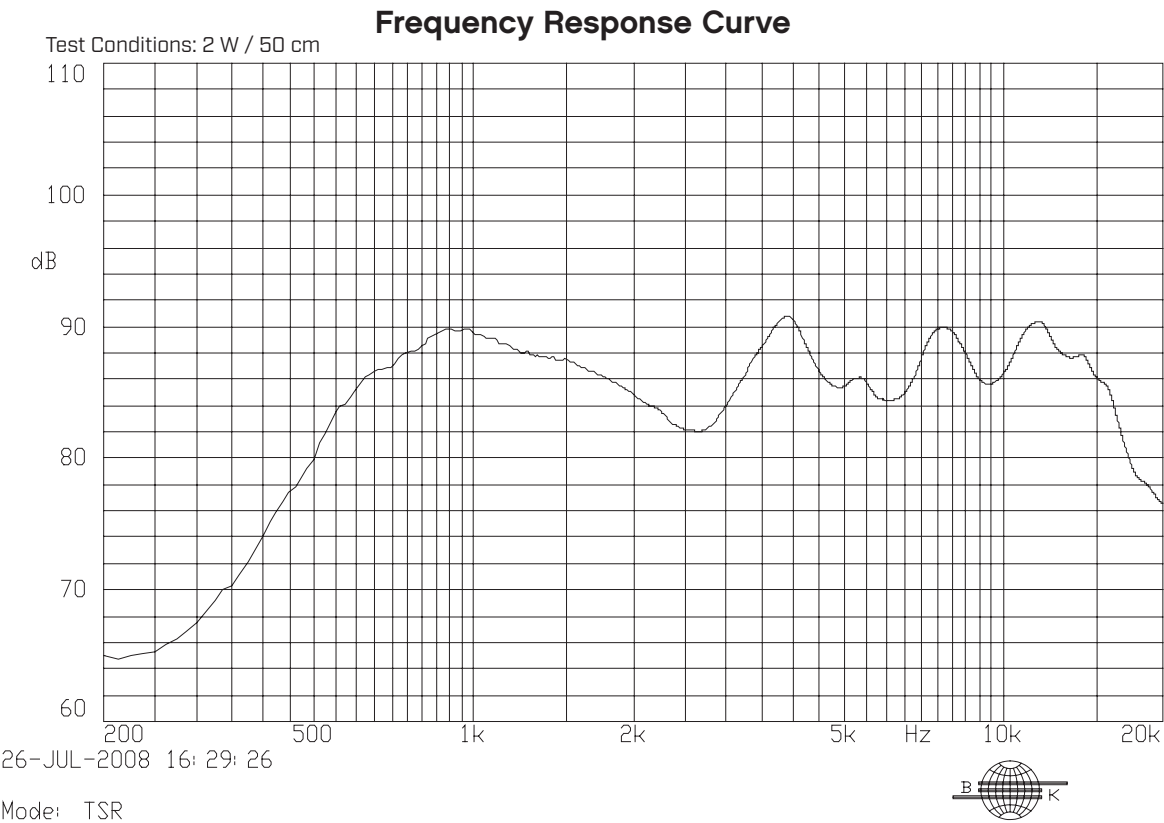
Notes: 1. All specifications measured at 23~25°C, humidity at 55%, under 86~106 kPa pressure, unless otherwise noted.

**MECHANICAL DRAWING**

units: mm  
tolerance:  $\pm 0.5$  mm



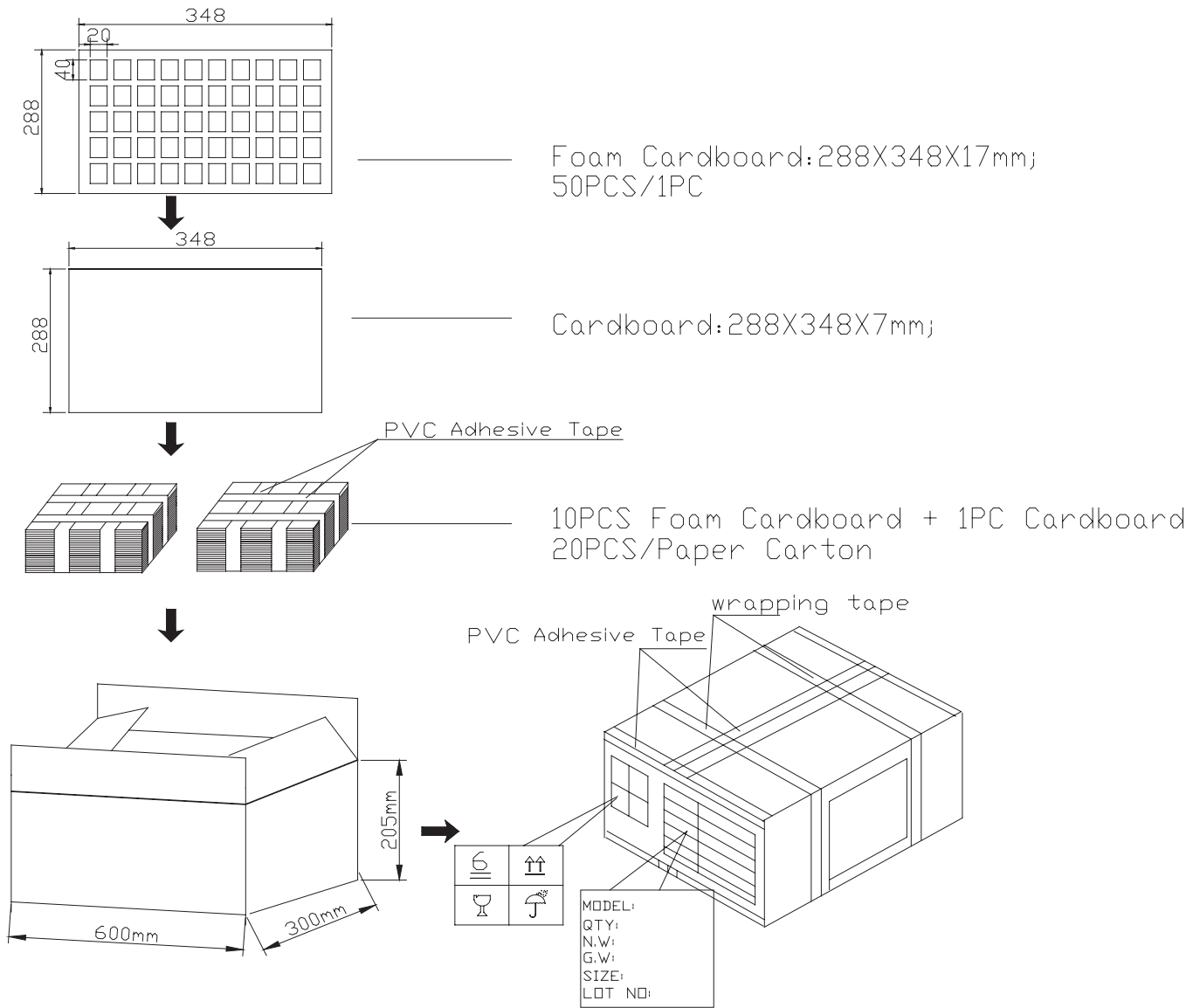
RESPONSE CURVE



**PACKAGING**

units: mm

Tray QTY: 50 pcs per tray  
Carton Size: 600 x 300 x 205 mm  
Carton QTY: 1,000 pcs per carton



## REVISION HISTORY

| rev. | description                       | date        |
|------|-----------------------------------|-------------|
| 1.0  | initial release                   | 03/022/2023 |
| 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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