



MODEL: CDS-4020-16 | DESCRIPTION: SPEAKER

FEATURES

- 16 Ohm
- rated 1.5 W
- solder eyelets



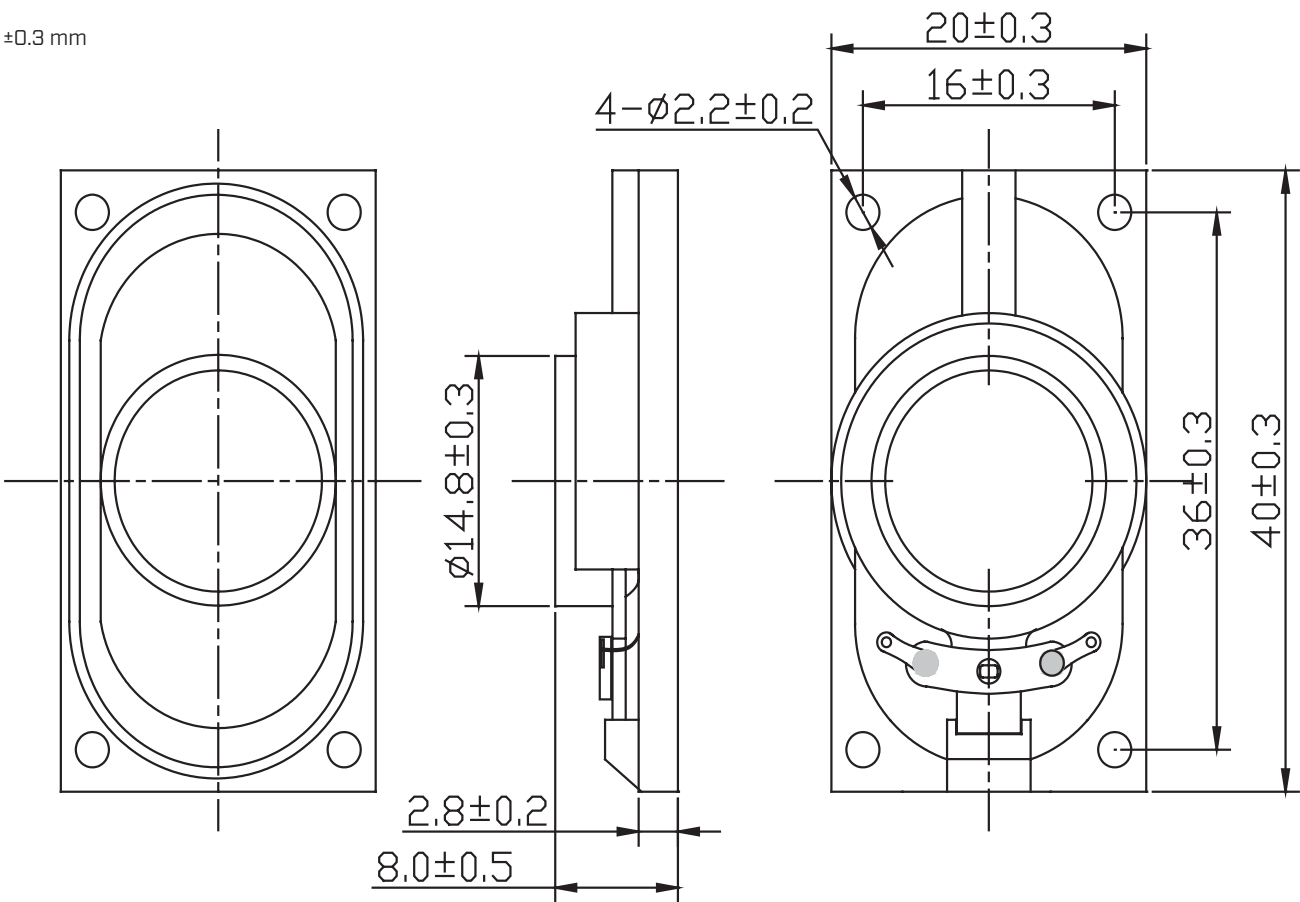
SPECIFICATIONS

| parameter               | conditions/description                                        | min  | typ | max    | units    |
|-------------------------|---------------------------------------------------------------|------|-----|--------|----------|
| input power             | max power: 1 minute on, 2 minutes off, 10 cycles              |      | 1.5 | 3.0    | W        |
| impedance               | at 1.0 kHz, 1.0 V                                             | 13.6 | 16  | 18.4   | $\Omega$ |
| resonant frequency [Fo] | at 1.0 V                                                      | 440  | 550 | 600    | Hz       |
| frequency response      |                                                               | Fo   |     | 20,000 | Hz       |
| sound pressure level    | at 0.1 W, 0.1 m, avg at 0.8, 1.0, 1.2, 1.5 kHz in baffleboard | 87   | 90  | 93     | dB       |
| distortion              | at 1.0 kHz, 1.0 V                                             |      |     | 5      | %        |
| buzz, rattle, etc.      | must be normal at sine wave, between 500 ~ 5,000 Hz           |      |     | 4.9    | V        |
| polarity                | cone moves forward w/ positive dc current to “+” terminal     |      |     |        |          |
| dimensions              | 40 x 20 x 8.0                                                 |      |     |        | mm       |
| magnet                  | Nd-Fe-B                                                       |      |     |        |          |
| frame material          | ABS (black)                                                   |      |     |        |          |
| cone material           | cloth                                                         |      |     |        |          |
| terminal                | solder eyelets                                                |      |     |        |          |
| weight                  |                                                               |      | 7.6 |        | g        |
| operating temperature   |                                                               | -20  |     | 60     | °C       |
| storage temperature     |                                                               | -30  |     | 70     | °C       |
| hand soldering          | for maximum 2 seconds                                         |      |     | 380    | °C       |
| RoHS                    | yes                                                           |      |     |        |          |

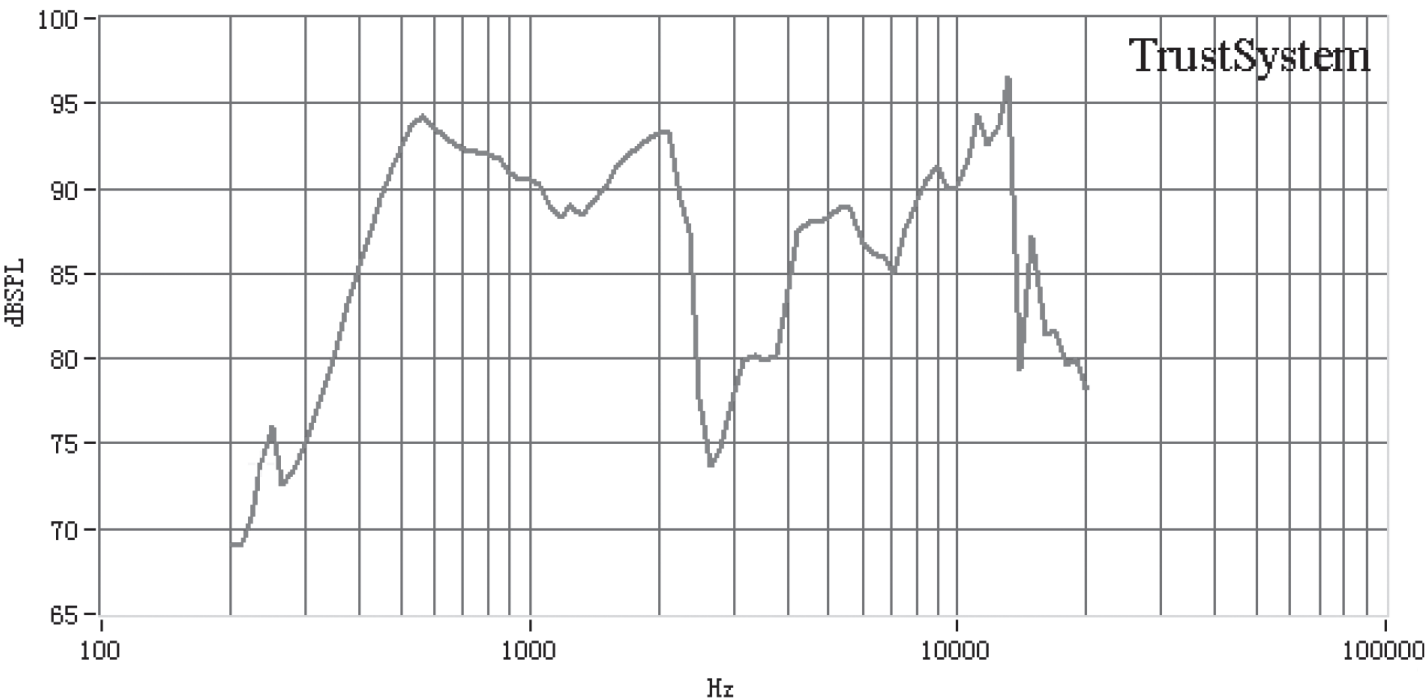
Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

**MECHANICAL DRAWING**

units: mm  
tolerance:  $\pm 0.3$  mm



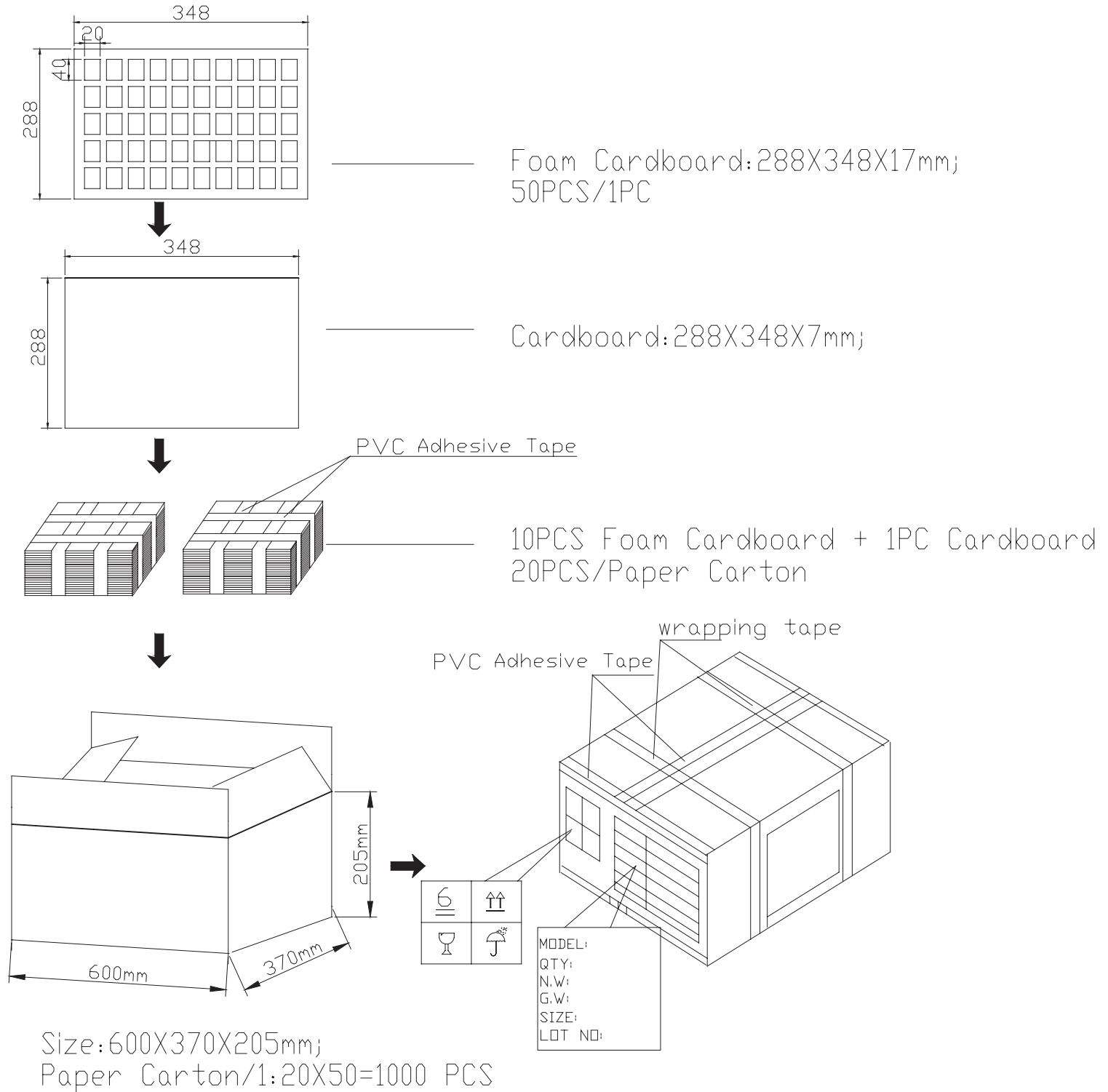
**FREQUENCY RESPONSE CURVE**



## PACKAGING

units: mm

Tray Size: 348 x 288 mm  
Tray QTY: 50 pcs per tray  
Carton Size: 600 x 370 x 205 mm  
Carton QTY: 1,000 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 11/22/2021 |
| 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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