

MODEL: CES-39209-28PM

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DESCRIPTION: SPEAKER

FEATURES

- 2 W rated power
- 8 ohm rated impedance
- panel mount
- adhesive tape for mounting



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) |     | 2.0   | 2.5    | W                  |
| impedance               | at 2.0 kHz                                                                           | 6.8 | 8     | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                                                             | 960 | 1,200 | 1,440  | Hz                 |
| frequency response      |                                                                                      | Fo  |       | 20,000 | Hz                 |
| sound pressure level    | at 0.1 W, 0.1 m, avg at 1.2, 1.5, 2.0, 2.5 kHz                                       | 85  | 88    | 91     | dB                 |
|                         | at 2.0 W, 0.1 m, avg at 1.2, 1.5, 2.0, 2.5 kHz                                       | 94  | 97    | 100    | dB                 |
| distortion              | at 2.0 kHz, 0.1 W, 10 cm                                                             |     |       | 10     | %                  |
| buzz, rattle, etc.      | must be normal at sine wave, frequency range                                         |     |       | 4.0    | V                  |
| polarity                | cone moves forward w/ positive dc current to "+" terminal                            |     |       |        |                    |
| dimensions              | 39.0 x 20.0 x 9.3                                                                    |     |       |        | mm                 |
| magnet                  | Nd-Fe-B                                                                              |     |       |        |                    |
| enclosure material      | PBT                                                                                  |     |       |        |                    |
| cone material           | cloth                                                                                |     |       |        |                    |
| terminal                | wire leads with connector                                                            |     |       |        |                    |
| weight                  |                                                                                      |     | 8.0   |        | g                  |
| operating temperature   |                                                                                      | -20 |       | 60     | $^{\circ}\text{C}$ |
| storage temperature     |                                                                                      | -30 |       | 70     | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                                                  |     |       |        |                    |

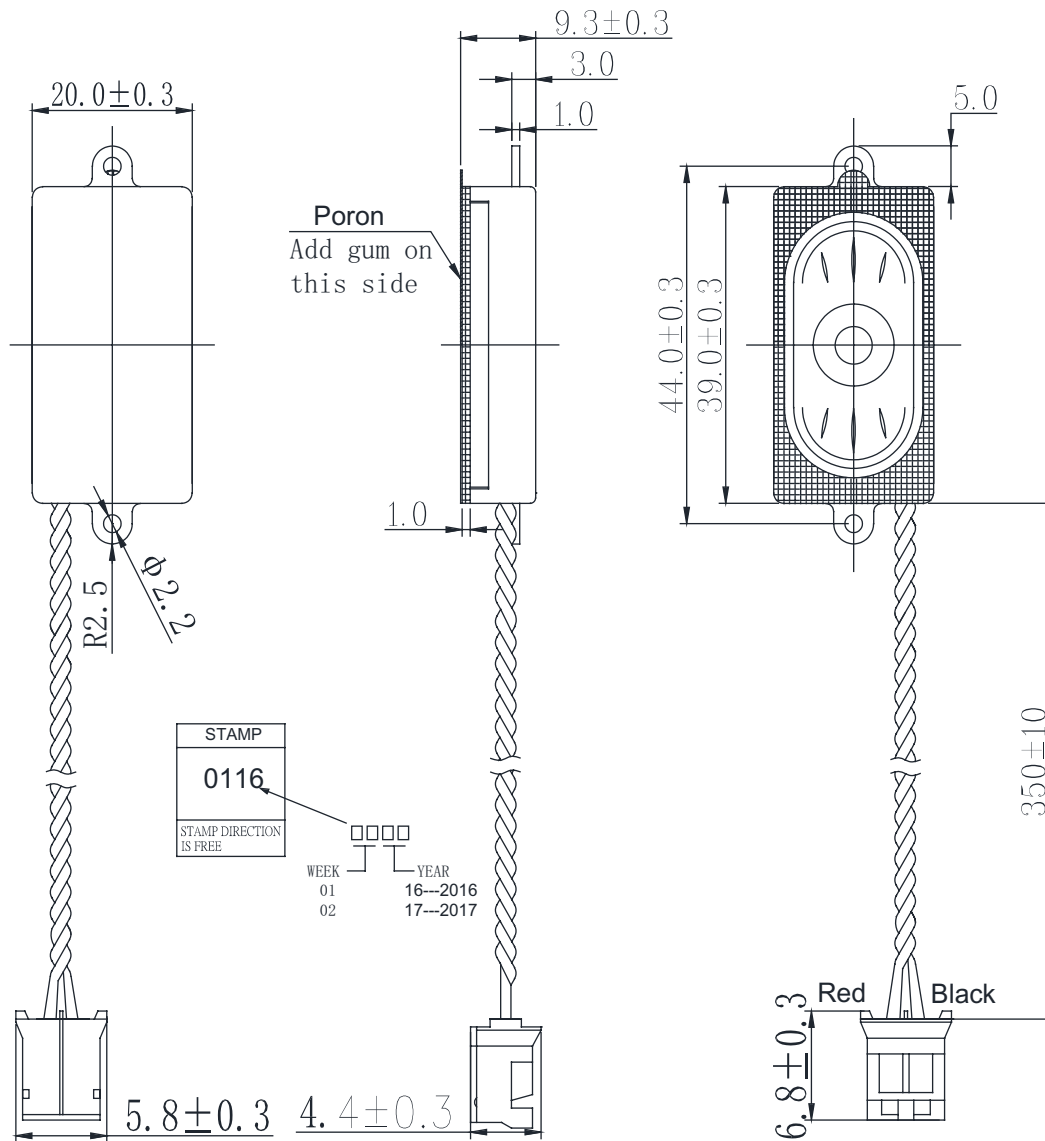
Notes:

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

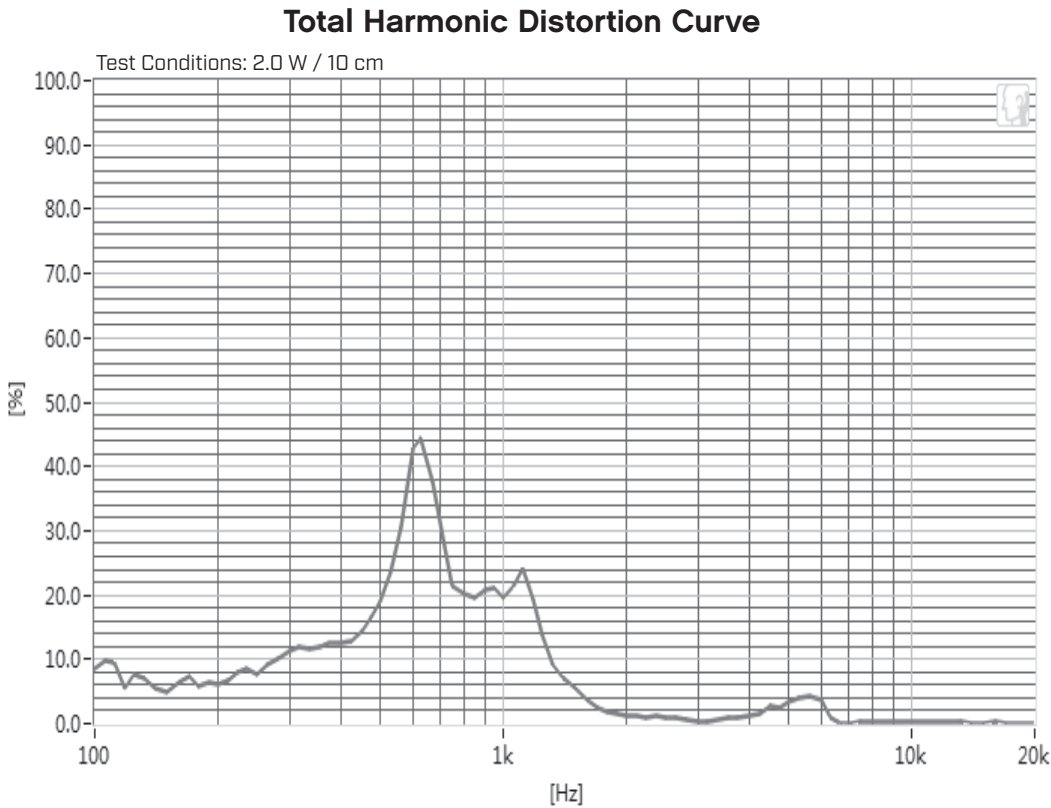
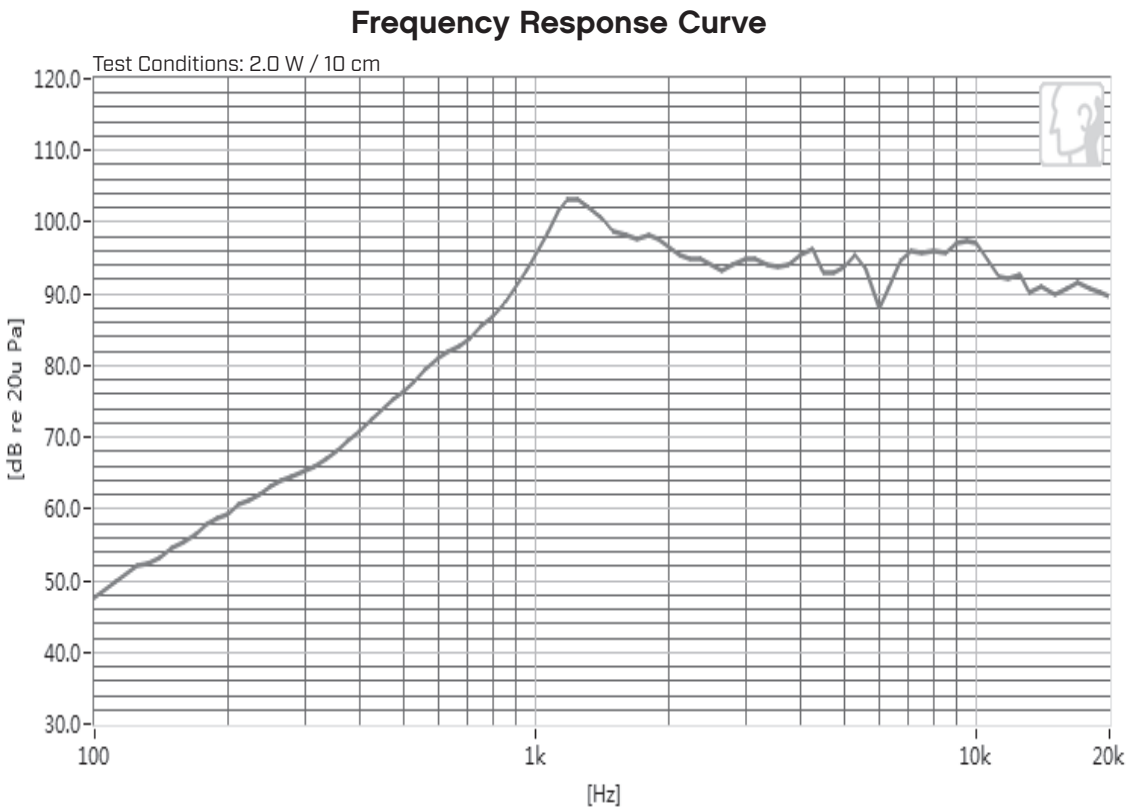
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

wire: UL1571 30 AWG  
internal speaker: CMS-35206-158  
connector: JVT 1124HND-02 P=2.0



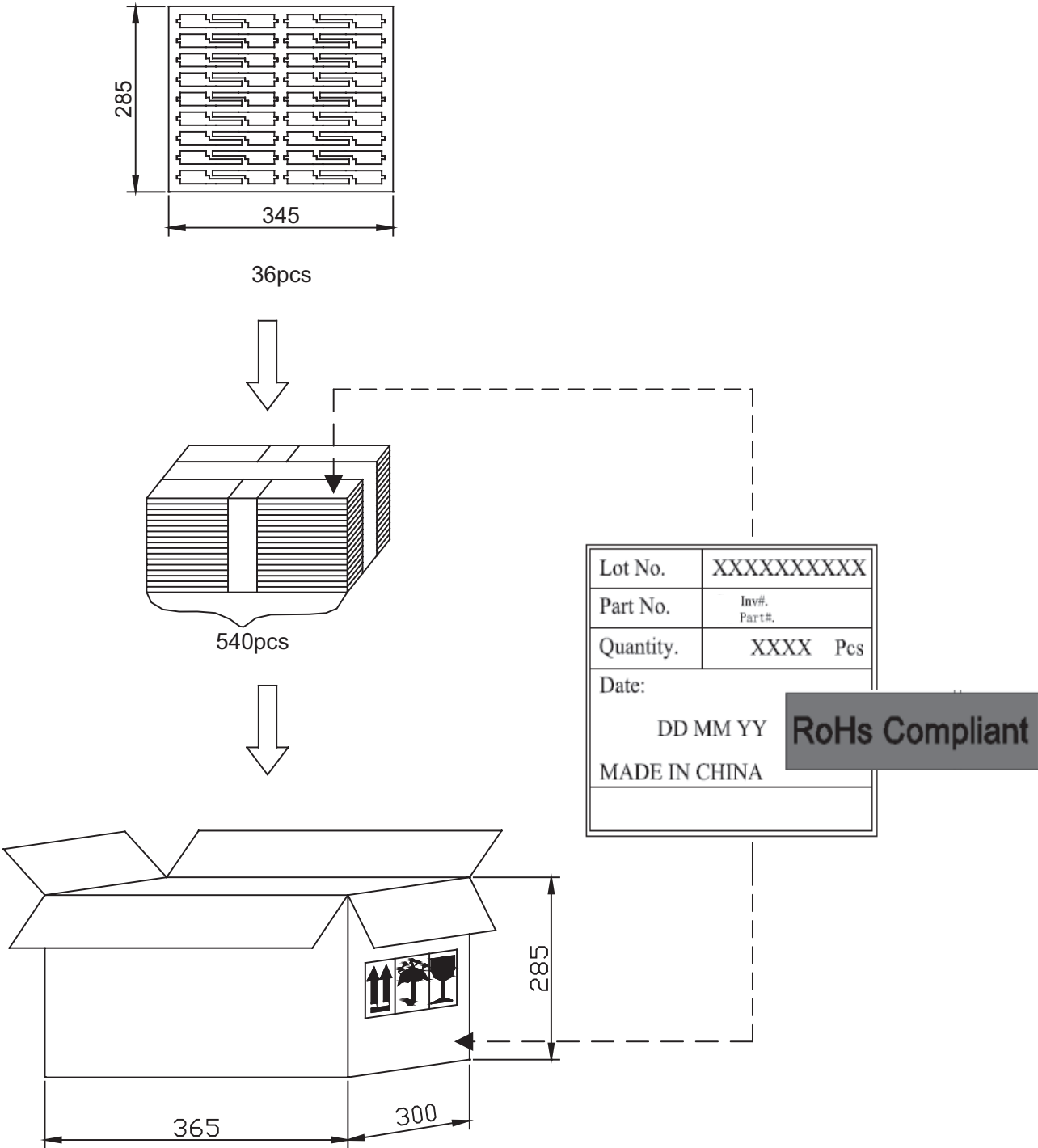
RESPONSE CURVES



PACKAGING

units: mm

Tray Size: 345 x 285 mm  
Tray QTY: 36 pcs per tray  
Carton Size: 365 x 300 x 285 mm  
Carton QTY: 540 pcs per carton



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/08/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | added feature for adhesive tape   | 07/31/2023 |
| 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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