



MODEL: CTW-3914-108SE | DESCRIPTION: TWEETER

FEATURES

- tweeter
- Fo 1700 Hz
- polyester diaphragm



SPECIFICATIONS

| parameter               | conditions/description                                                | min   | typ   | max    | units              |
|-------------------------|-----------------------------------------------------------------------|-------|-------|--------|--------------------|
| input power             |                                                                       |       | 10.0  | 15.0   | W                  |
| impedance               | DCR<br>at 4.5 kHz, 1.0 W                                              | 7.068 | 7.600 | 8.132  | $\Omega$           |
|                         |                                                                       | 6.8   | 8.0   | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 W                                                              | 1,360 | 1,700 | 2,040  | Hz                 |
| frequency response      |                                                                       | Fo    |       | 20,000 | Hz                 |
| sound pressure level    | at 1.0 W, 1 m, ave at 2.0, 3.0, 4.0, 6.0 kHz                          | 84    | 87    | 90     | dB                 |
| distortion              | at 2.0 kHz, 1 W                                                       |       |       | 10     | %                  |
| pure sound detection    | input signal: sine wave from 1,500 to 8,000 Hz for 3 seconds/2 cycles |       | 6.32  |        | V                  |
| polarity                | cone moves backwards w/ positive dc current to “+” terminal           |       |       |        |                    |
| dimensions              | $\varnothing 39.5 \times 14.0$                                        |       |       |        | mm                 |
| magnet                  | Nd-Fe-B                                                               |       |       |        |                    |
| frame material          | ABS                                                                   |       |       |        |                    |
| cone material           | polyester                                                             |       |       |        |                    |
| terminal                | solder terminals                                                      |       |       |        |                    |
| weight                  |                                                                       | 28.8  | 32.0  | 35.2   | g                  |
| operating temperature   |                                                                       | -25   |       | 55     | $^{\circ}\text{C}$ |
| storage temperature     |                                                                       | -25   |       | 55     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                                                 | 350   | 380   | 410    | $^{\circ}\text{C}$ |
| RoHS                    | yes                                                                   |       |       |        |                    |

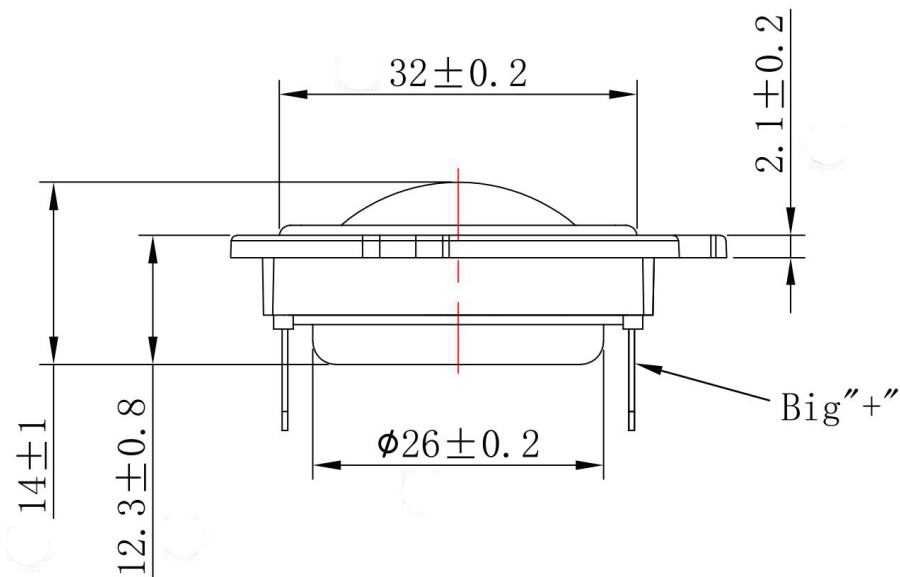
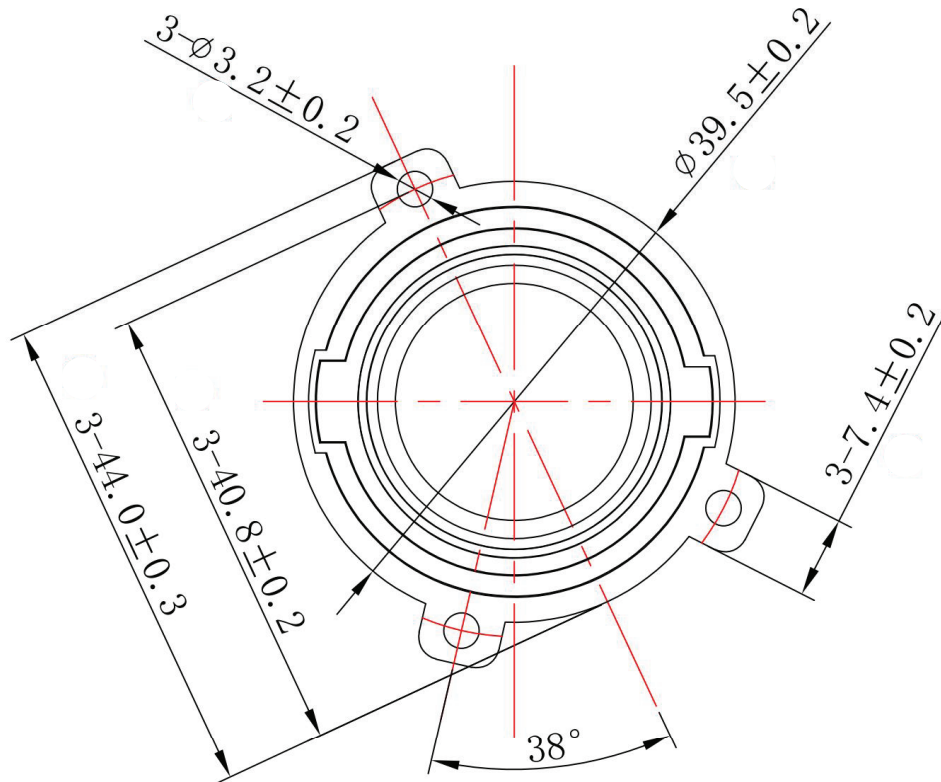
Notes: 1. All specifications measured at 20±2°C, humidity at 63-67%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

units: mm

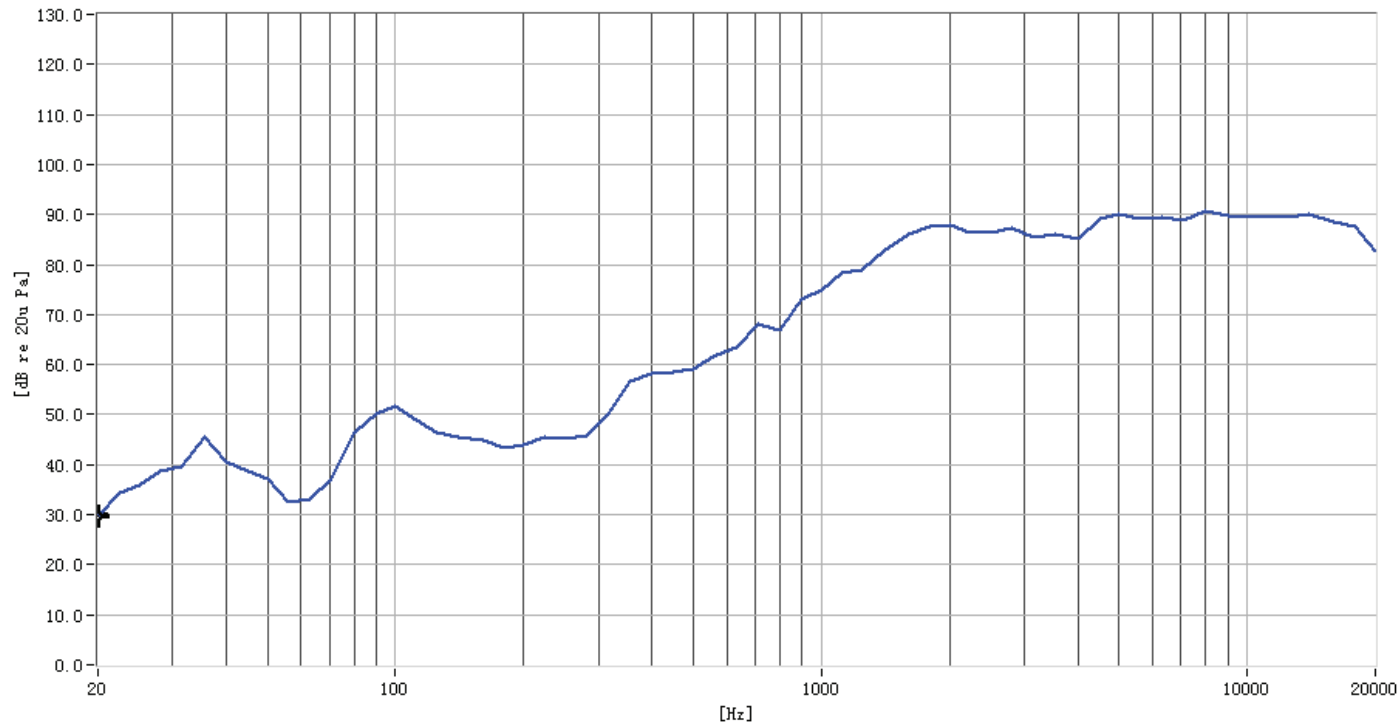
tolerance:  $\pm 0.5$  mm

unless otherwise noted

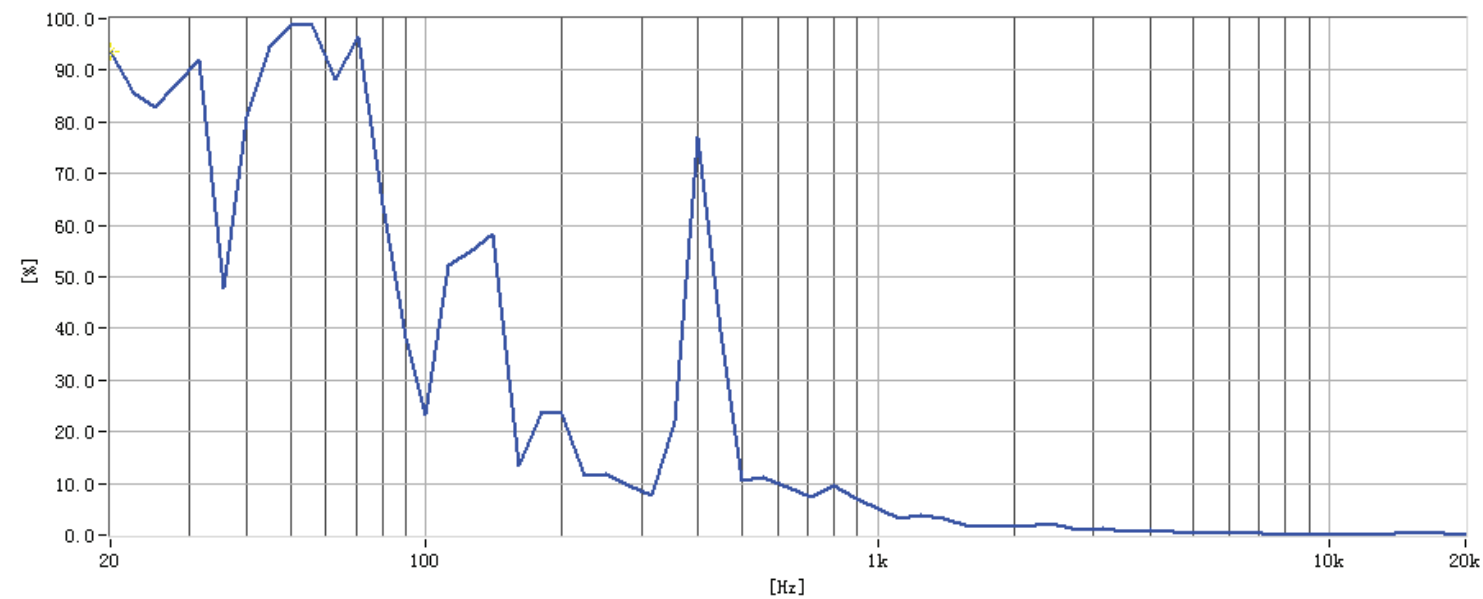


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 04/23/2024 |
| 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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