



MODEL: CLS0501M

|

DESCRIPTION: SPEAKER

FEATURES

- 50 mm
- round frame
- 0.2 W
- 8  $\Omega$
- neodymium magnet
- PET cone

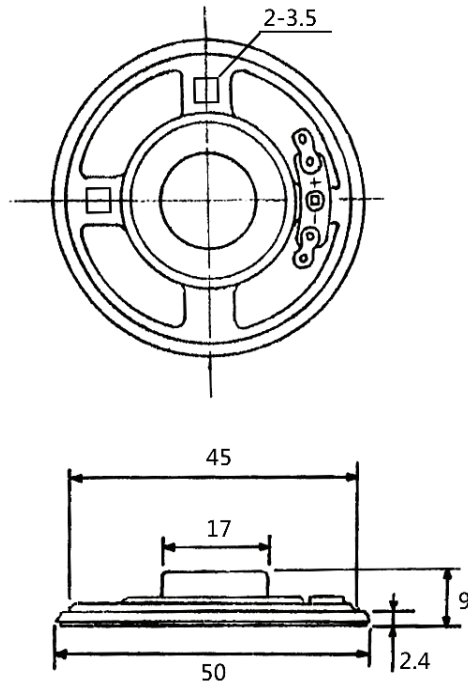


SPECIFICATIONS

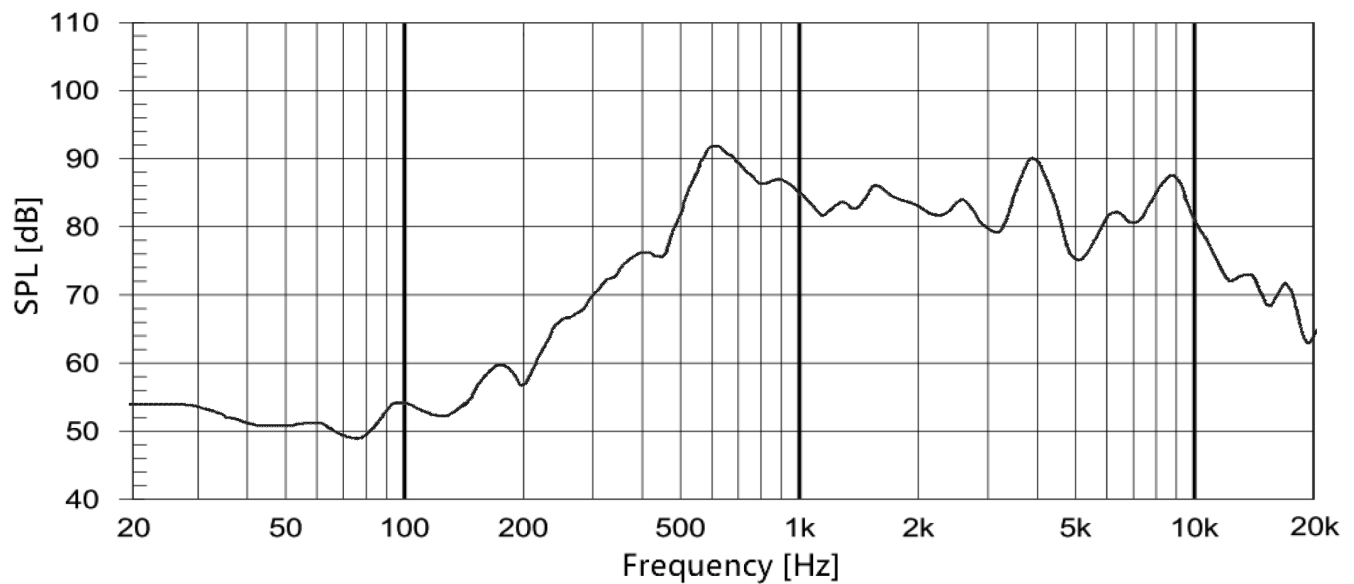
| parameter               | conditions/description                         | min | typ  | max    | units              |
|-------------------------|------------------------------------------------|-----|------|--------|--------------------|
| input power             |                                                |     | 0.2  | 0.5    | W                  |
| impedance               | at 0.8 kHz, 1.0 V                              | 6.8 | 8    | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                       | 480 | 600  | 720    | Hz                 |
| frequency response      |                                                | Fo  |      | 12,000 | Hz                 |
| sound pressure level    | at 0.2 W, 50 cm, avg at 1.0, 1.4, 1.7, 2.0 kHz | 81  | 84   | 87     | dB                 |
| distortion              | at 1 kHz, 0.2 W                                |     |      | 5      | %                  |
| buzz, rattle, etc.      | must be normal at sine wave                    |     |      | 1.26   | V                  |
| dimensions              | 50 x 9                                         |     |      |        | mm                 |
| magnet                  | Nd-Fe-B                                        |     |      |        |                    |
| cone material           | PET                                            |     |      |        |                    |
| terminal                | solder eyelets                                 |     |      |        |                    |
| weight                  |                                                |     | 12.6 |        | g                  |
| operating temperature   |                                                | -25 |      | 60     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                          | 360 | 380  | 400    | $^{\circ}\text{C}$ |
| RoHS                    | yes                                            |     |      |        |                    |

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



REVISION HISTORY

| rev. | description                                      | date       |
|------|--------------------------------------------------|------------|
| 1.0  | initial release                                  | 07/03/2007 |
| 1.01 | frame shape changed, SPL increased, brand update | 04/09/2020 |
| 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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