



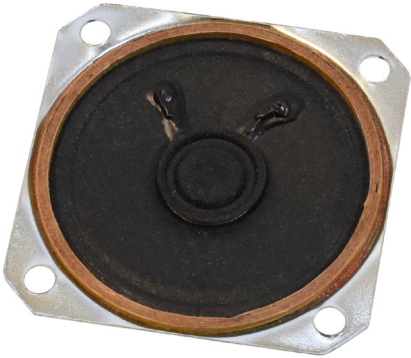
MODEL: GF0506

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DESCRIPTION: SPEAKER

FEATURES

- 50 mm
- square frame
- 0.25 W
- 8  $\Omega$  impedance
- ferrite magnet
- paper cone

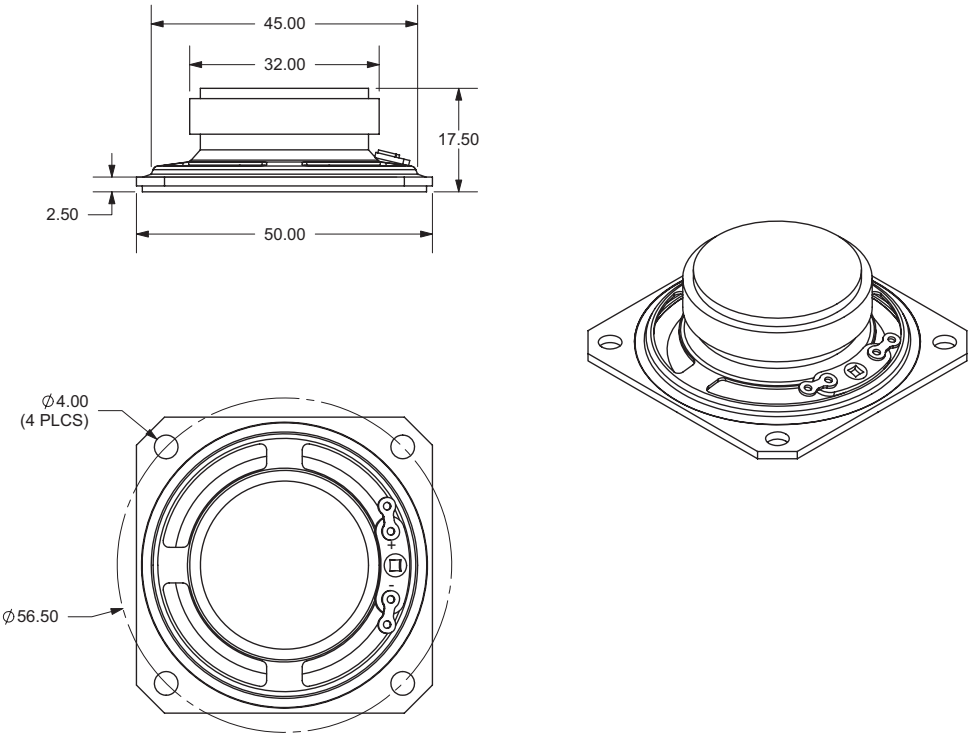


SPECIFICATIONS

| parameter               | conditions/description                          | min | typ  | max   | units              |
|-------------------------|-------------------------------------------------|-----|------|-------|--------------------|
| input power             |                                                 |     | 0.25 | 0.5   | W                  |
| impedance               | at 0.8 kHz, 1.0 V                               | 6.8 | 8    | 9.2   | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                        | 344 | 430  | 516   | Hz                 |
| frequency response      |                                                 | Fo  |      | 7,200 | Hz                 |
| sound pressure level    | at 0.25 W, 50 cm, avg at 1.0, 1.4, 1.7, 2.0 kHz | 79  | 82   | 85    | dB                 |
| buzz, rattle, etc.      | must be normal at sine wave                     |     |      | 1.41  | V                  |
| dimensions              | 50 x 50 x 17.5                                  |     |      |       | mm                 |
| magnet                  | ferrite                                         |     |      |       |                    |
| cone material           | paper                                           |     |      |       |                    |
| terminal                | solder eyelets                                  |     |      |       |                    |
| weight                  |                                                 |     | 54.0 |       | g                  |
| operating temperature   |                                                 | -25 |      | 70    | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                           | 360 | 380  | 400   | $^{\circ}\text{C}$ |
| RoHS                    | yes                                             |     |      |       |                    |

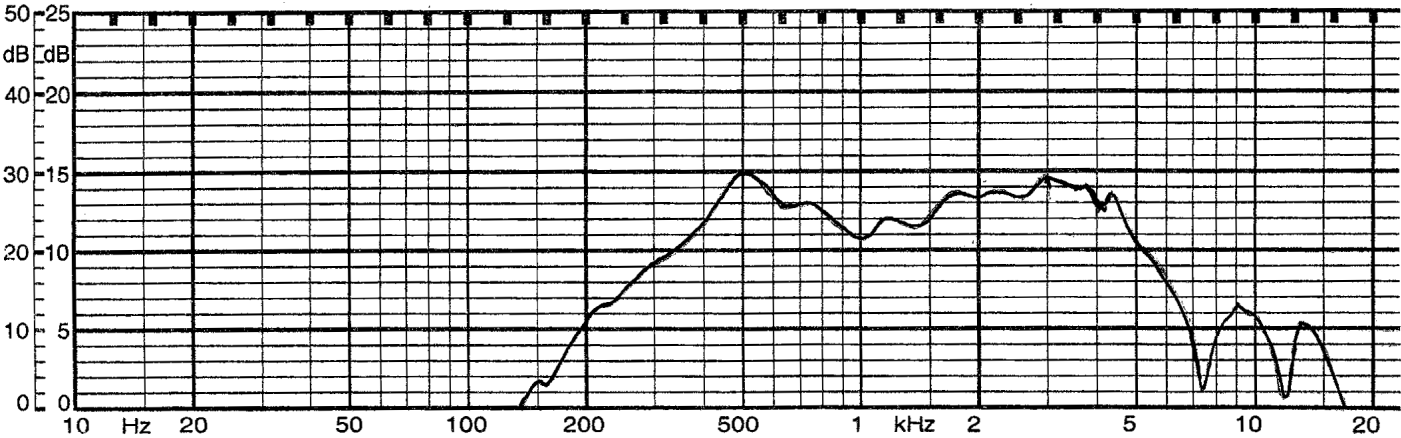
MECHANICAL DRAWING

units: mm  
tolerance: ±0.8 mm



FREQUENCY RESPONSE CURVE

| parameter             | conditions/description |
|-----------------------|------------------------|
| potentiometer range   | 50 dB                  |
| rectifier             | RMS                    |
| lower limit frequency | 20 Hz                  |
| wr. speed             | 100 mm/sec             |
| zero level            | 60 dB                  |



REVISION HISTORY

| rev. | description                                                                                  | date       |
|------|----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                              | 03/04/2009 |
| 1.01 | new template applied, height changed from 18 to 17.5 mm, resonant frequency, and SPL changed | 07/03/2012 |
| 1.02 | brand update                                                                                 | 03/03/2020 |
| 1.02 | logo, datasheet style update                                                                 | 10/26/2022 |
| 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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