



MODEL: CMS0231KLX

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DESCRIPTION: SPEAKER

FEATURES

- 23 x 23 mm
- square frame
- 2.0 W
- 8  $\Omega$
- neodymium magnet
- paper cone

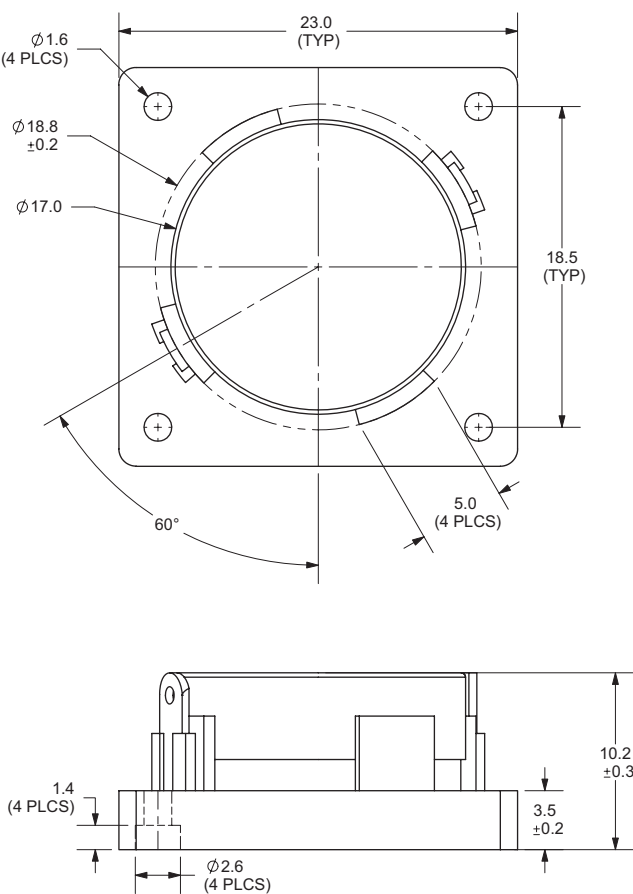


SPECIFICATIONS

| parameter               | conditions/description                         | min | typ | max    | units              |
|-------------------------|------------------------------------------------|-----|-----|--------|--------------------|
| input power             |                                                |     | 2.0 | 4.0    | W                  |
| impedance               | at 1.0 kHz, 1.0 V                              | 6.8 | 8   | 9.2    | $\Omega$           |
| resonant frequency [Fo] | at 1.0 V                                       | 440 | 550 | 660    | Hz                 |
| frequency response      |                                                | Fo  |     | 20,000 | Hz                 |
| sound pressure level    | at 1.0 W, 50 cm, avg at 0.6, 0.8, 1.0, 1.2 kHz | 79  | 82  | 85     | dB                 |
| buzz, rattle, etc.      | must be normal at sine wave                    |     |     | 4.0    | V                  |
| dimensions              | 23 x 23 x 10.2                                 |     |     |        | mm                 |
| magnet                  | Nd-Fe-B                                        |     |     |        |                    |
| cone material           | paper                                          |     |     |        |                    |
| terminal                | solder eyelets                                 |     |     |        |                    |
| weight                  |                                                |     | 8.1 |        | g                  |
| operating temperature   |                                                | -25 |     | 60     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                          | 340 | 350 | 360    | $^{\circ}\text{C}$ |
| RoHS                    | yes                                            |     |     |        |                    |

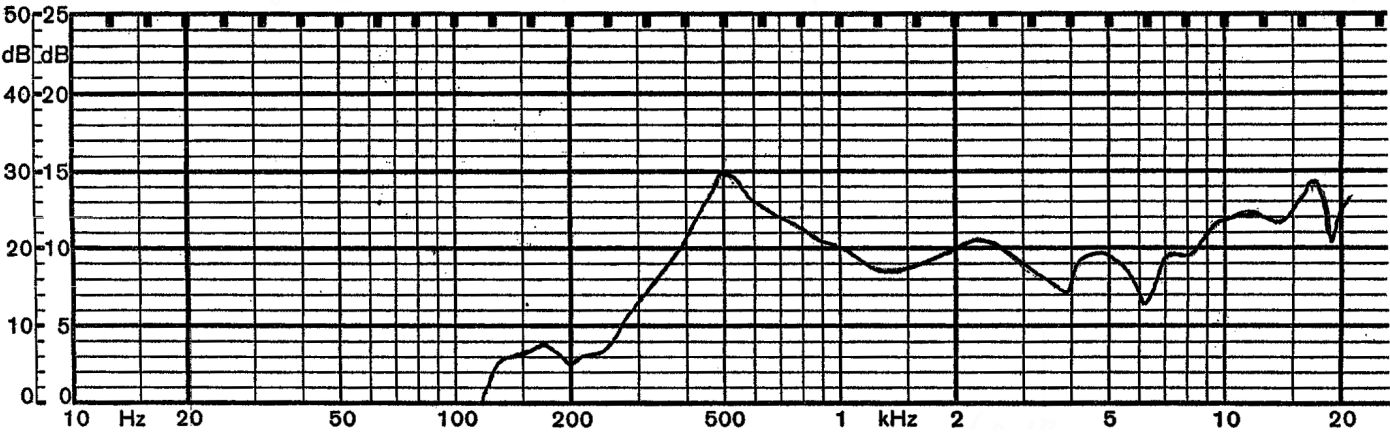
MECHANICAL DRAWING

units: 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                                        | 07/25/2007 |
| 1.01 | base thickness changed from 3.0 mm to 3.5 mm           | 05/06/2008 |
| 1.02 | dimensions changed from 3.5 to 3.4 and 18.3 to 18.8 mm | 06/10/2009 |
| 1.03 | brand update                                           | 06/04/2020 |
| 1.04 | logo, datasheet style update                           | 08/05/2022 |
| 1.05 | 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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