

## MODEL: CMS0401KL-1X | DESCRIPTION: SPEAKER

### FEATURES

- 40.1 x 40.1 mm
- square frame
- 4.0 W
- 8  $\Omega$
- neodymium magnet
- PET cone



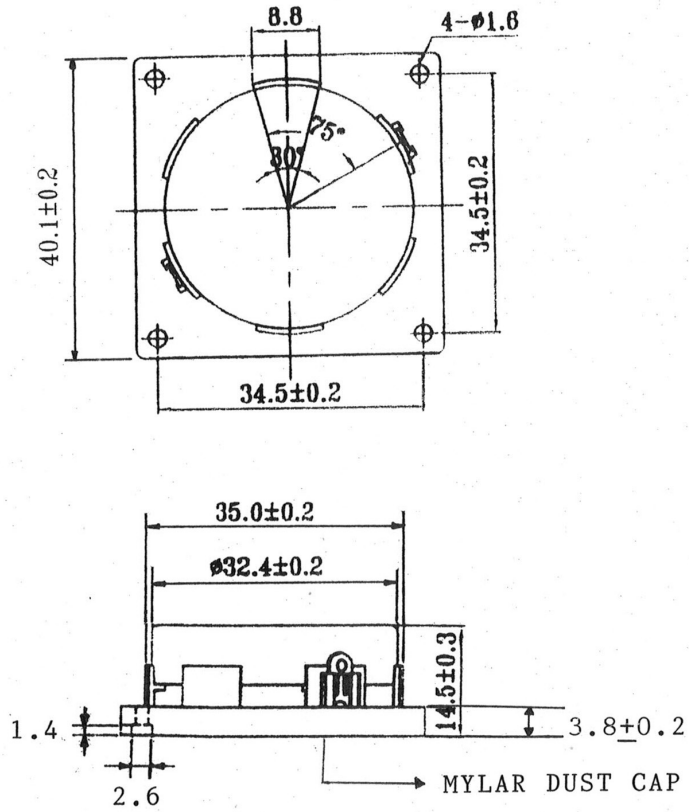
### SPECIFICATIONS

| parameter               | conditions/description                         | min | typ  | max    | units              |
|-------------------------|--|-----|------|--------|--------------------|
| input power             |  |     | 4.0  | 6.0    | W                  |
| impedance               | at 1.0 kHz, 1.0 V                              | 6.8 | 8    | 9.2    | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V                                       | 344 | 430  | 516    | Hz                 |
| frequency response      |  | Fo  |      | 20,000 | Hz                 |
| sound pressure level    | at 1.0 W, 50 cm, avg at 0.5, 0.6, 0.8, 1.0 kHz | 84  | 87   | 90     | dB                 |
| buzz, rattle, etc.      | must be normal at sine wave                    |     |      | 5.66   | V                  |
| dimensions              | 40.1 x 40.1 x 14.5                             |     |      |        | mm                 |
| magnet                  | Nd-Fe-B  |     |      |        |                    |
| cone material           | PET  |     |      |        |                    |
| terminal                | solder eyelets                                 |     |      |        |                    |
| weight                  |  |     | 42.5 |        | g                  |
| operating temperature   |  | -25 |      | 60     | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                          | 340 | 350  | 360    | $^{\circ}\text{C}$ |
| RoHS                    | yes  |     |      |        |                    |

Notes: 1. All specifications measured at 15-35 $^{\circ}\text{C}$ , humidity at 25-75%, under 86-106 kPa pressure, unless otherwise noted.

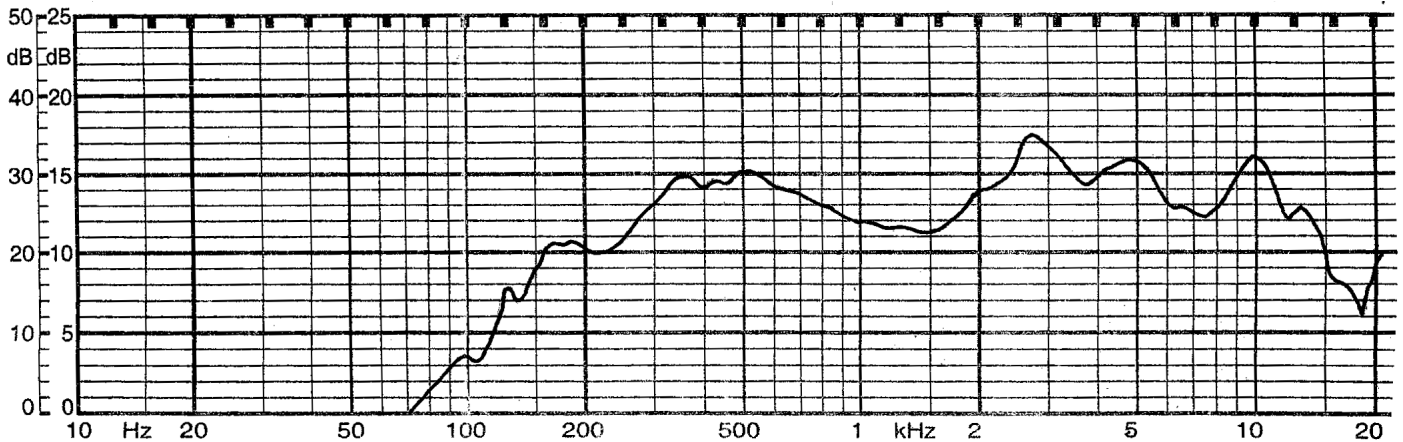
## MECHANICAL DRAWING

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  | 08/06/2008 |
| 1.01 | new template applied, base thickness changed from 3.0 to 3.8 mm                        | 02/24/2010 |
| 1.02 | new template applied, dust cap changed to mylar, updated resonant frequency and S.P.L. | 06/14/2012 |
| 1.03 | dust cap changed from silver to black, updated resonant frequency, brand update        | 01/29/2020 |
| 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.



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