

MODEL: CLS0301 | DESCRIPTION: SPEAKER

FEATURES

- 30 mm
- round frame
- 1.0 W
- 8 Ω
- neodymium magnet
- paper cone



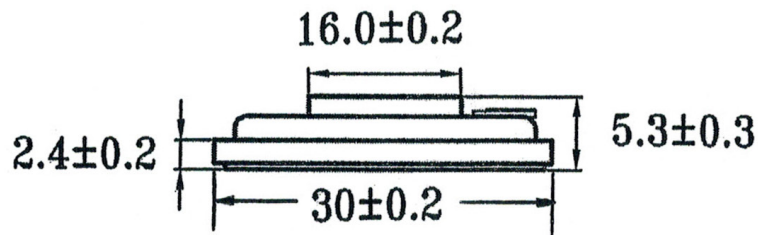
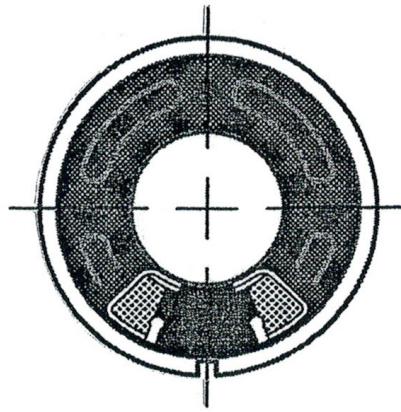
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-------------------------|---|-----|-----|--------|--------------|
| input power | | | 1.0 | 2.0 | W |
| impedance | at 1.0 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| 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 0.6, 0.8, 1.0, 1.2 kHz | 81 | 84 | 87 | dB |
| buzz, rattle, etc. | must be normal at sine wave | | | 2.83 | V |
| dimensions | \varnothing 30 x 5.3 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| cone material | paper | | | | |
| terminal | solder pads | | | | |
| weight | | | 5.8 | | g |
| operating temperature | | -25 | | 70 | $^{\circ}$ C |
| hand soldering | for maximum 3 seconds | 340 | 350 | 360 | $^{\circ}$ C |
| RoHS | yes | | | | |

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

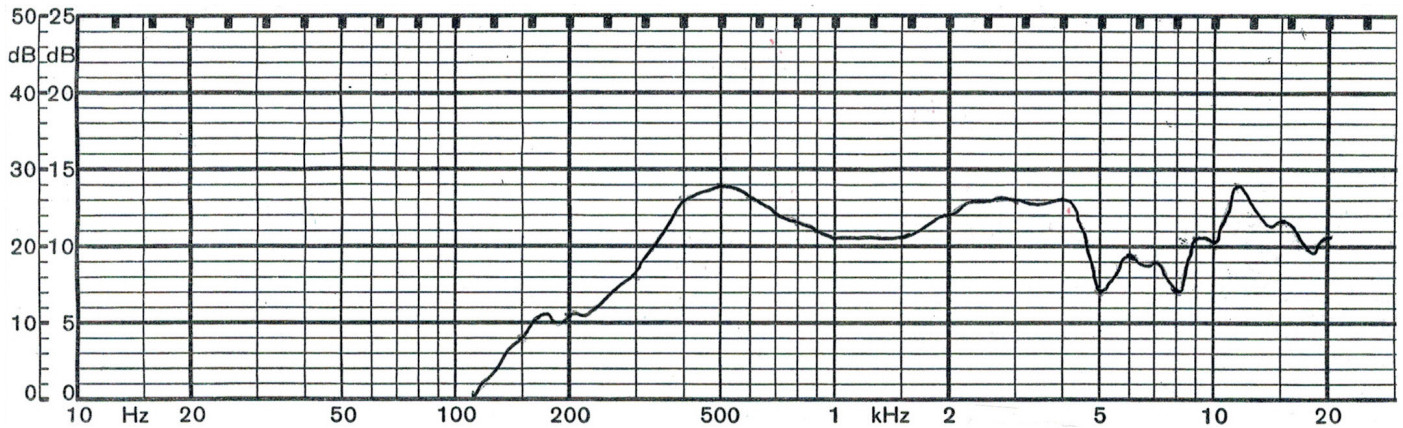
MECHANICAL DRAWING

units: mm
tolerance: ± 0.2 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 | 07/03/2007 |
| 1.01 | brand update | 02/27/2020 |
| 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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