

MODEL: CLS0451M | DESCRIPTION: SPEAKER

FEATURES

- 44.5 mm round frame
- 8 Ω impedance
- rated 0.2 W
- neodymium magnet
- PET cone

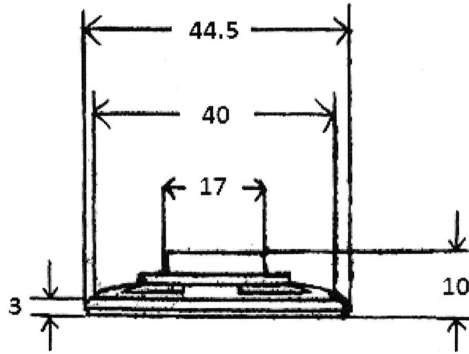
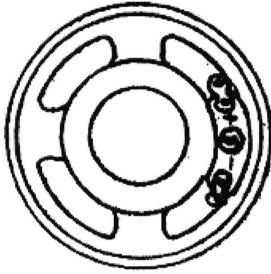


SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-------------------------|---|-----|-----|-------|--------------|
| input power | | | 0.2 | 0.3 | W |
| impedance | at 1.0 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | at Fo Vrms, 1.0 V | 456 | 570 | 684 | Hz |
| frequency response | | Fo | | 8,000 | 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 |
| buzz, rattle, etc. | must be normal at sine wave, frequency range | | | 1.26 | V |
| dimensions | \varnothing 44.5 x 10 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| cone material | PET | | | | |
| terminal | solder eyelets | | | | |
| operating temperature | | -25 | | 60 | $^{\circ}$ C |
| hand soldering | for maximum 3 seconds | 360 | 380 | 400 | $^{\circ}$ C |
| RoHS | yes | | | | |
| packaging | packaging type: cardboard grid system 100 pcs / per tray, 4 trays / per box, 2 boxes per carton full box qty: 800 pcs carton size: 54 x 32 x 24 cm | | | | |

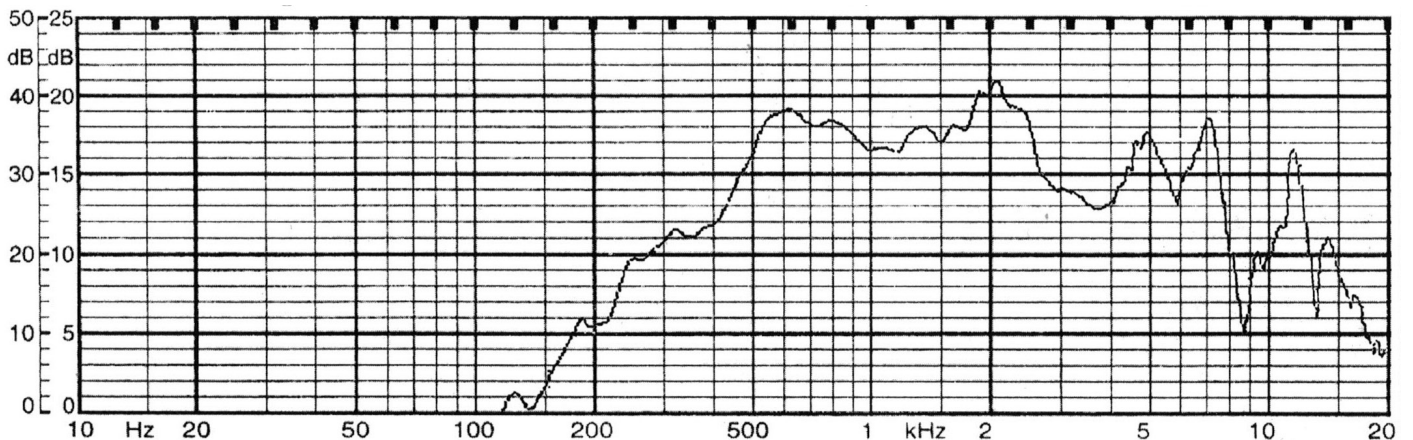
MECHANICAL DRAWING

units: mm
tolerance: ±0.5 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 | 50 dB |



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 07/03/2007 |
| 1.01 | brand update | 01/26/2021 |
| 1.02 | added packaging details | 06/01/2022 |
| 1.03 | logo, datasheet style update | 08/05/2022 |
| 1.04 | 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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