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MODEL: CLS0201MA | DESCRIPTION: SPEAKER

FEATURES

- 20 mm
- round frame
- 0.5 W
- •8Ω
- neodymium magnet

same sky

• PET cone



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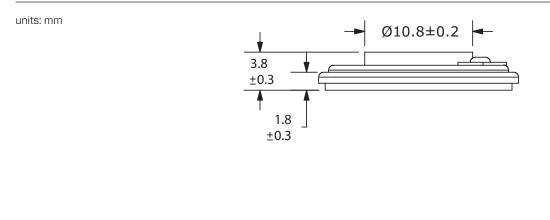
ROHS

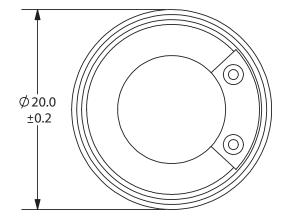
SPECIFICATIONS

.....

| conditions/description | min | typ | max | units |
|--|---|---|---|--|
| | | 0.5 | 1.0 | W |
| at 1.0 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| at 1.0 V | 600 | 750 | 900 | Hz |
| | Fo | | 20,000 | Hz |
| at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz | 83 | 86 | 89 | dB |
| must be normal at sine wave | | | 2.0 | V |
| Ø20 x 3.8 | | | | mm |
| Nd-Fe-B | | | | |
| PET | | | | |
| solder pads | | | | |
| | | 2.5 | | g |
| | -25 | | 60 | °C |
| | -40 | | 70 | °C |
| for maximum 3 seconds | 340 | 350 | 360 | °C |
| yes | | | | |
| | at 1.0 kHz, 1.0 V at 1.0 V at 1.0 V at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz must be normal at sine wave Ø20 x 3.8 Nd-Fe-B PET solder pads for maximum 3 seconds | at 1.0 kHz, 1.0 V 6.8 at 1.0 V 600 Fo 600 at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz 83 must be normal at sine wave 83 Ø20 x 3.8 920 x 3.8 Nd-Fe-B -25 older pads -25 -40 50 cm 3 seconds | 0.5 at 1.0 kHz, 1.0 V 6.8 8 at 1.0 V 600 750 F0 F0 750 at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz 83 86 must be normal at sine wave 83 86 Ø20 x 3.8 1000000000000000000000000000000000000 | 0.5 1.0 at 1.0 kHz, 1.0 V 6.8 8 9.2 at 1.0 V 600 750 900 Fo 20,000 at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz 83 86 89 must be normal at sine wave 2.0 2.0 Ø20 x 3.8 2.0 2.0 2.0 Nd-Fe-B 2.0 2.0 2.0 PET 2.5 50 50 solder pads 2.5 60 -2.5 60 70 for maximum 3 seconds 340 350 360 |

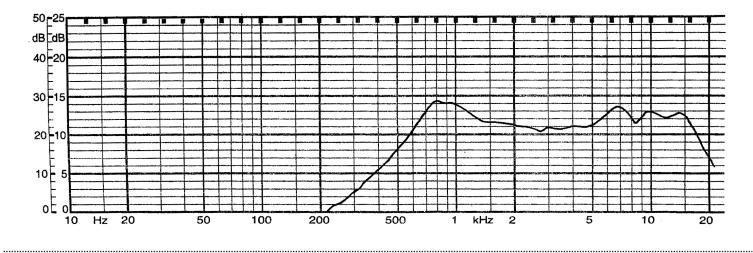
MECHANICAL DRAWING





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 | updated datasheet | 06/07/2019 |
| 1.02 | brand update | 07/02/2020 |
| 1.03 | logo, datasheet style update | 08/05/2022 |
| 1.04 | CUI Devices rebranded to Same Sky | 09/11/2024 |
| 1.05 | added storage temperature | 04/08/2025 |

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.

same sky

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.