date 11/06/2019

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MODEL: CMS-402811-28SP | DESCRIPTION: SPEAKER

FEATURES

- 2 W
- miniature
- cloth cone
- solder terminals





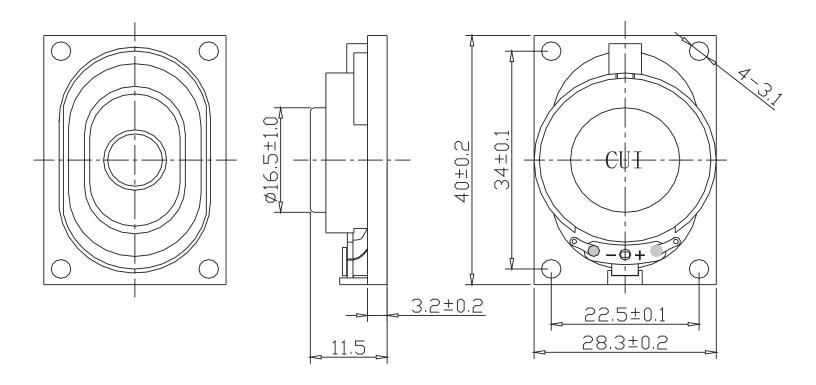
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-------------------------|--|-------|------|--------|-------|
| input power | max power: 1 minute on, 2 minutes off, 10 cycles | | 2.0 | 3.0 | W |
| impedance | at 1.0 kHz, 1.0 Vrms | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | at 1.0 Vrms, 50 cm | 360 | 450 | 540 | Hz |
| frequency response | | 200 | | 20,000 | Hz |
| sound pressure level | at 1.0 W, 50 cm, avg at 1.0, 1.2, 1.5, 2.0 kHz | 81 | 84 | 87 | dB |
| distortion | at 1.0 kHz, 1.0 W | | | 5 | % |
| buzz, rattle, etc. | must be normal at sine wave, 0.2~2 kHz | | | 4.0 | V |
| polarity | cone moves forward w/ positive dc current to "+" ter | minal | | | |
| dimensions | 40.0 x 28.3 x 11.5 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| frame material | ABS | | | | |
| cone material | cloth | | | | |
| terminal | solder terminals | | | | |
| weight | | | 12.7 | | g |
| operating temperature | | -20 | | 60 | °C |
| storage temperature | | -30 | | 70 | °C |
| hand soldering | for maximum 3 seconds | | | 380 | °C |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at $15\sim35^{\circ}$ C, humidity at $25\sim75\%$, under $86\sim106$ kPa pressure, unless otherwise noted.

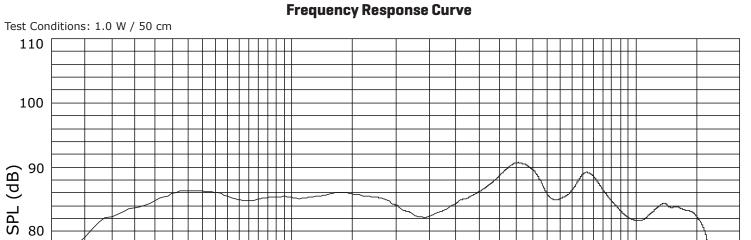
MECHANICAL DRAWING

units: mm tolerance: ±0.5 mm



500

RESPONSE CURVES



Total Harmonic Distortion Curve

2K

Frequency (Hz)

1K

5K

10K

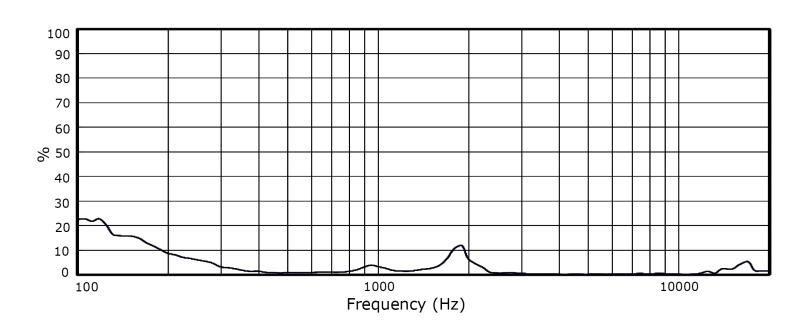
20K

Test Conditions: 1.0 W / 50 cm

70

60

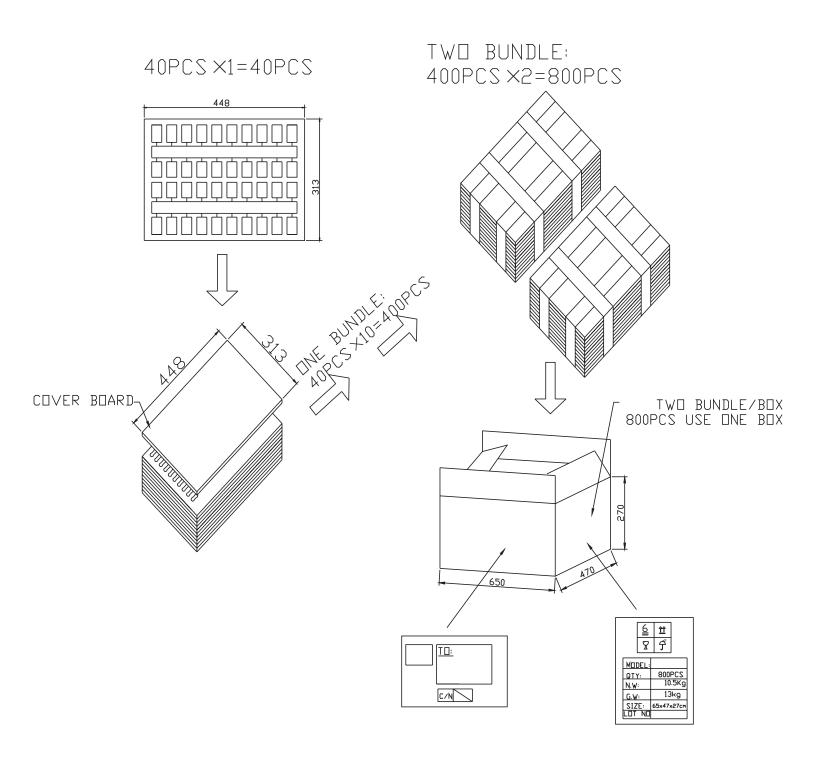
200



PACKAGING

units: mm

Tray QTY: 40 pcs per tray Carton Size: 650 x 470 x 270 mm Carton QTY: 800 pcs per carton



Additional Resources: Product Page | 3D Model

CUI Devices | MODEL: CMS-402811-28SP | DESCRIPTION: SPEAKER date 11/06/2019 | page 5 of 5

REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 11/06/2019 |

The revision history provided is for informational purposes only and is believed to be accurate.

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices 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.