

date 08/05/2022

page 1 of 5

SERIES: CMS-40558N-L152 | DESCRIPTION: SPEAKER

FEATURES

- 500 Hz resonant frequency
- 90 dB SPL
- · wire leads with connector options





SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-------------------------|--|-----|------|-------|-------|
| input power | maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp | | 0.5 | 1.0 | W |
| impedance | at 2.0 kHz, 1.0 V | 6.8 | 8 | 9.2 | Ω |
| resonant frequency (Fo) | at 1.0 V | 400 | 500 | 600 | Hz |
| frequency response | output SPL -10 dB | Fo | | 6,000 | Hz |
| sound pressure level | at 0.1 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz | 87 | 90 | 93 | dB |
| distortion | at 1.0 kHz, 0.1 W | | | 5 | % |
| buzz, rattle, etc. | must be normal at sine wave between Fo ~ 20,000 Hz | | 2.0 | | V |
| dimensions | Ø40 x 5.5 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| material | metal | | | | |
| cone material | PET | | | | |
| terminal | wire leads | | | | |
| weight | | | 10.3 | | g |
| operating temperature | | -30 | | 70 | °C |
| storage temperature | | -40 | | 85 | °C |
| hand soldering | for maximum 3 seconds | 370 | 380 | 390 | °C |
| RoHS | yes | | | | |
| | | | | | |

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

PART NUMBER KEY

CMS-40558N-L152 X

Termination Options:

Base Number

"blank" = wire leads, no connector

A = wire leads with Molex housing 51021-0200

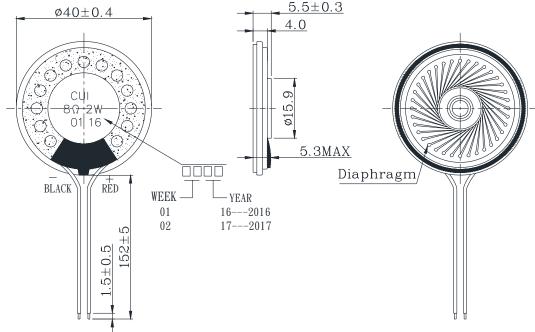
B = wire leads with JST housing SHR-02V-S-B

MECHANICAL DRAWINGS

units: mm tolerance: ±0.2 mm

WIRE LEADS, NO CONNECTOR

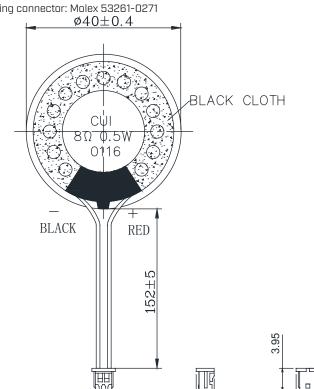




WIRE LEADS WITH MOLEX CONNECTOR

wire: UL 1571 28 AWG connector: Molex 51021-0200

mating connector: Molex 53261-0271



1.25

WIRE LEADS WITH JST CONNECTOR

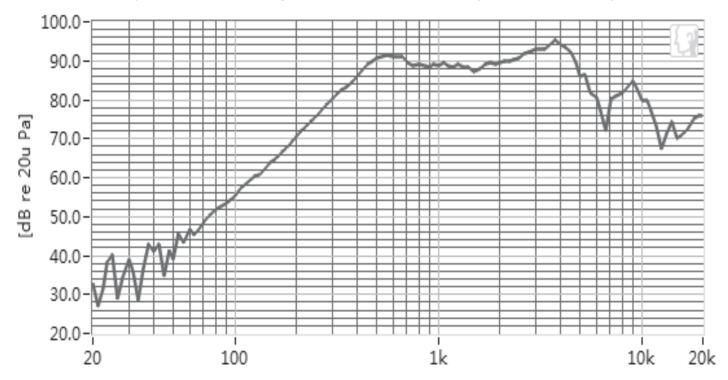
wire: UL 1571 28 AWG connector: JST SHR-02V-S-B

mating connector: JST BM02B-SRSS-TB $\phi 40 \pm 0.4$ CÜI BLACK CLOTH 8Ω 0.5 ₩ 01 15 **BLACK RED** 5 52±

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FREQUENCY RESPONSE CURVE

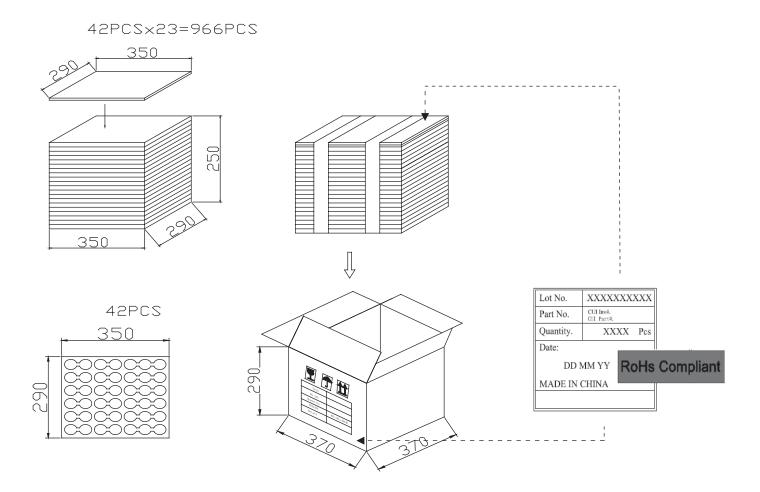
Frequency Response.Magn dB re 20.00 µ PA (at 0.1 W / 0.1m)



PACKAGING

units: mm

Tray Size: 290 x 350 x 10 mm Carton Size: 370 x 370 x 290 mm Tray QTY: 42 pcs per tray Carton QTY: 966 pcs per carton



REVISION HISTORY

| rev. | description | date | |
|------|--|------------|--|
| 1.0 | initial release | 06/24/2016 | |
| 1.01 | brand update | 01/21/2020 | |
| 1.02 | added Molex and JST connector options, updated packaging | 10/23/2020 | |
| 1.03 | logo, datasheet style update | 08/05/2022 | |

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



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