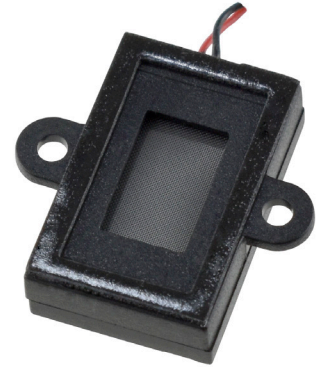


SERIES: CES-20134-088PM | **DESCRIPTION:** SPEAKER**FEATURES**

- 0.8 W power rating
- dust proof mesh
- 60 mm lead wire
- 2 panel mount flanges
- wire leads with connector options

**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-------------------------|---|-------|-------|--------|----------|
| input power | max power: 1 second on, 59 seconds off, 60 cycles | | 0.8 | 1.0 | W |
| impedance | at 2.0 kHz, 2.53 Vrms | 6.4 | 8 | 9.6 | Ω |
| resonant frequency (Fo) | at 2.53 Vrms, 10 cm | 1,040 | 1,300 | 1,560 | Hz |
| frequency response | as per IEC 268-5 | 500 | | 20,000 | Hz |
| sound pressure level | at 0.8 W, 10 cm, avg at 1.1, 1.3, 1.5 & 2 kHz | 88 | 91 | 94 | dB |
| distortion | at 2.0 kHz, rated power, 10 cm | | | 10 | % |
| buzz, rattle, etc. | must be normal at sine wave, frequency range | | | 2.53 | V |
| polarity | cone moves forward w/ positive dc current to "+" terminal | | | | |
| dimensions | 20 x 13 x 4.87 | | | | mm |
| magnet | Nd-Fe-B | | | | |
| enclosure material | ABS+PC | | | | |
| cone material | PEEK | | | | |
| terminal | wire leads | | | | |
| weight | | 1.5 | 2 | 2.5 | g |
| operating temperature | | -20 | | 70 | °C |
| storage temperature | | -40 | | 85 | °C |
| RoHS | yes | | | | |

Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, under 86~106 kPa pressure, unless otherwise noted.

PART NUMBER KEY**CES-20134-088PM X**

Base Number

Termination Options:

"blank" = wire leads, no connector

A = wire leads with Molex housing 51021-0200

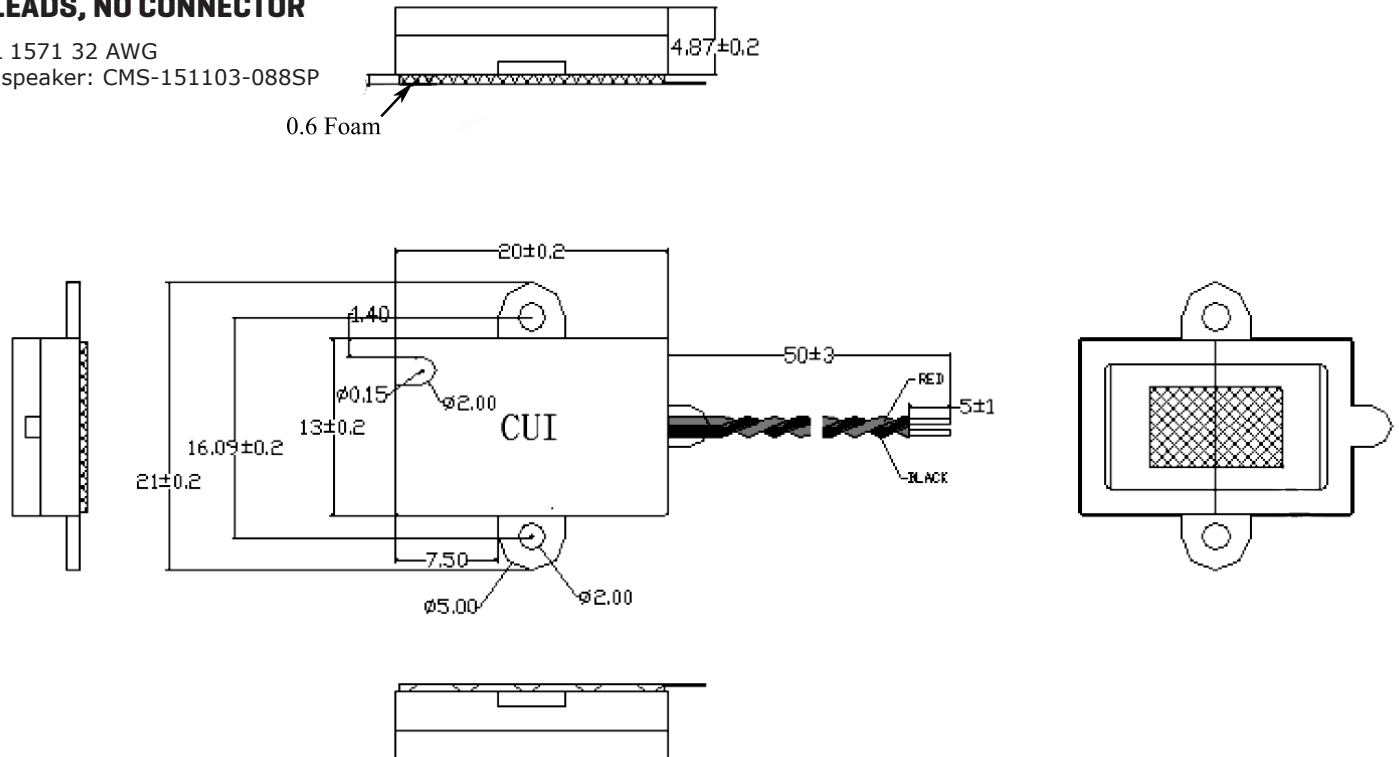
B = wire leads with JST housing SHR-02V-S-B

MECHANICAL DRAWINGS

units: mm
tolerance: ± 0.2 mm

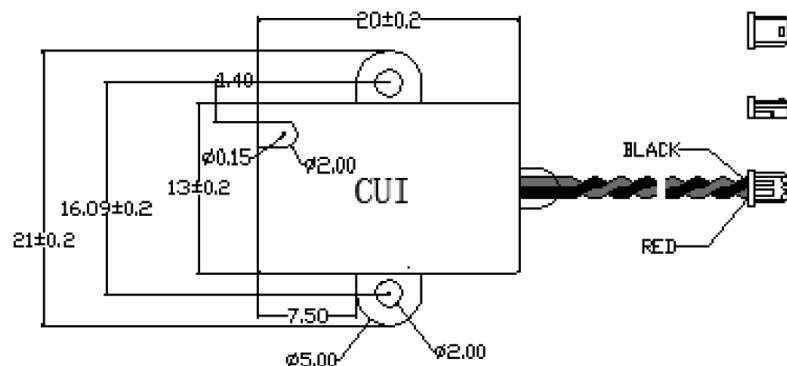
WIRE LEADS, NO CONNECTOR

wire: UL 1571 32 AWG
internal speaker: CMS-151103-088SP



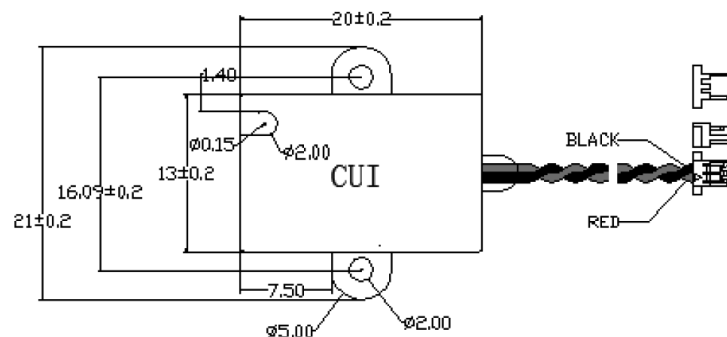
WIRE LEADS WITH MOLEX CONNECTOR

wire: UL 1571 30 AWG
connector: Molex 51021-0200
mating connector: Molex 53261-0271
internal speaker: CMS-151103-088SP



WIRE LEADS WITH JST CONNECTOR

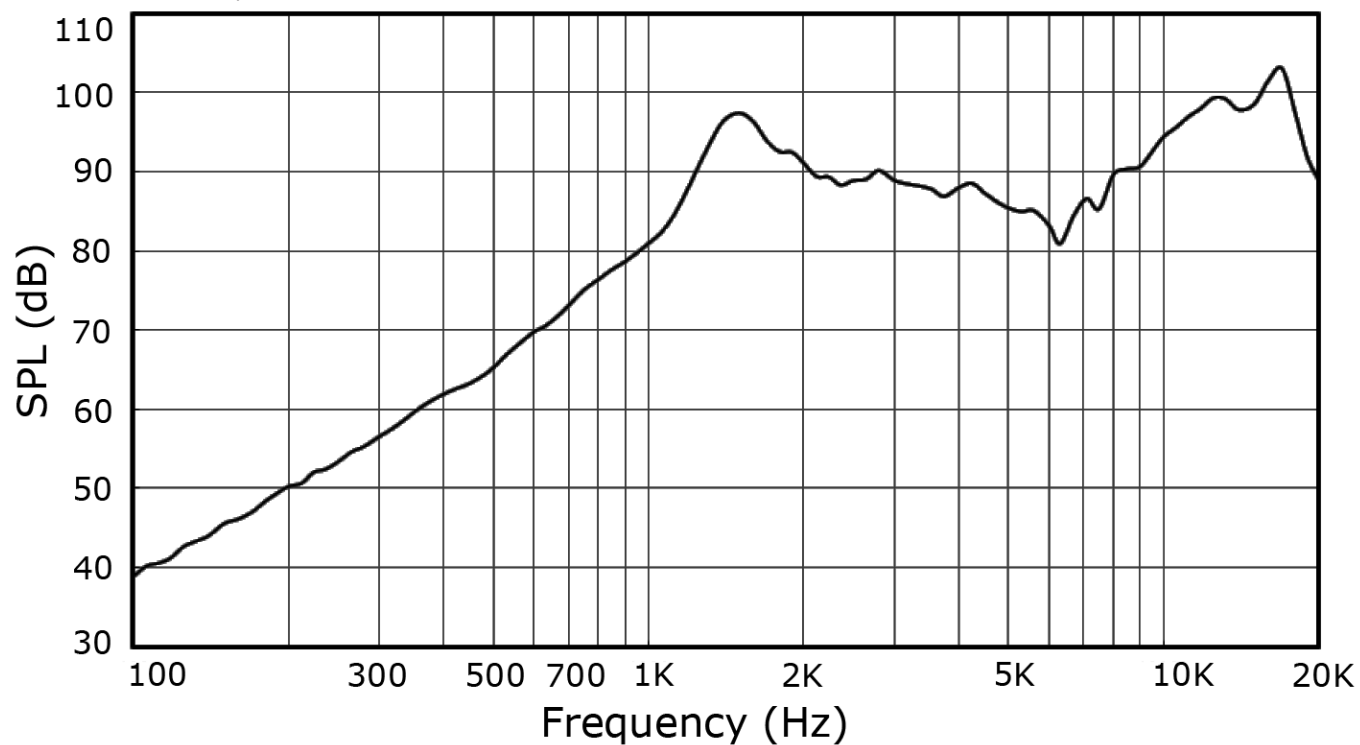
wire: UL 1571 30 AWG
connector: JST SHR-02V-S-B
mating connector: JST BM02B-SRSS-TB
internal speaker: CMS-151103-088SP



RESPONSE CURVES

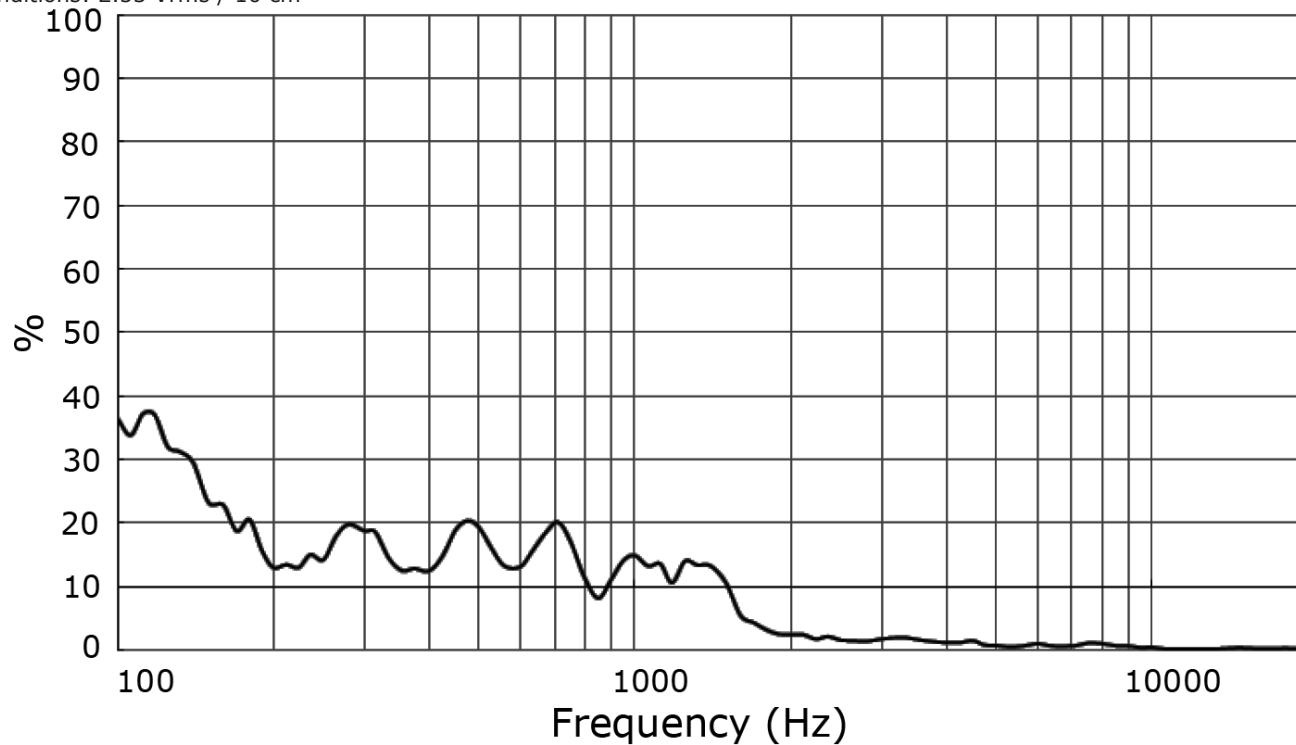
Frequency Response Curve

Test Conditions: 2.53 Vrms / 10 cm



Total Harmonic Distortion Curve

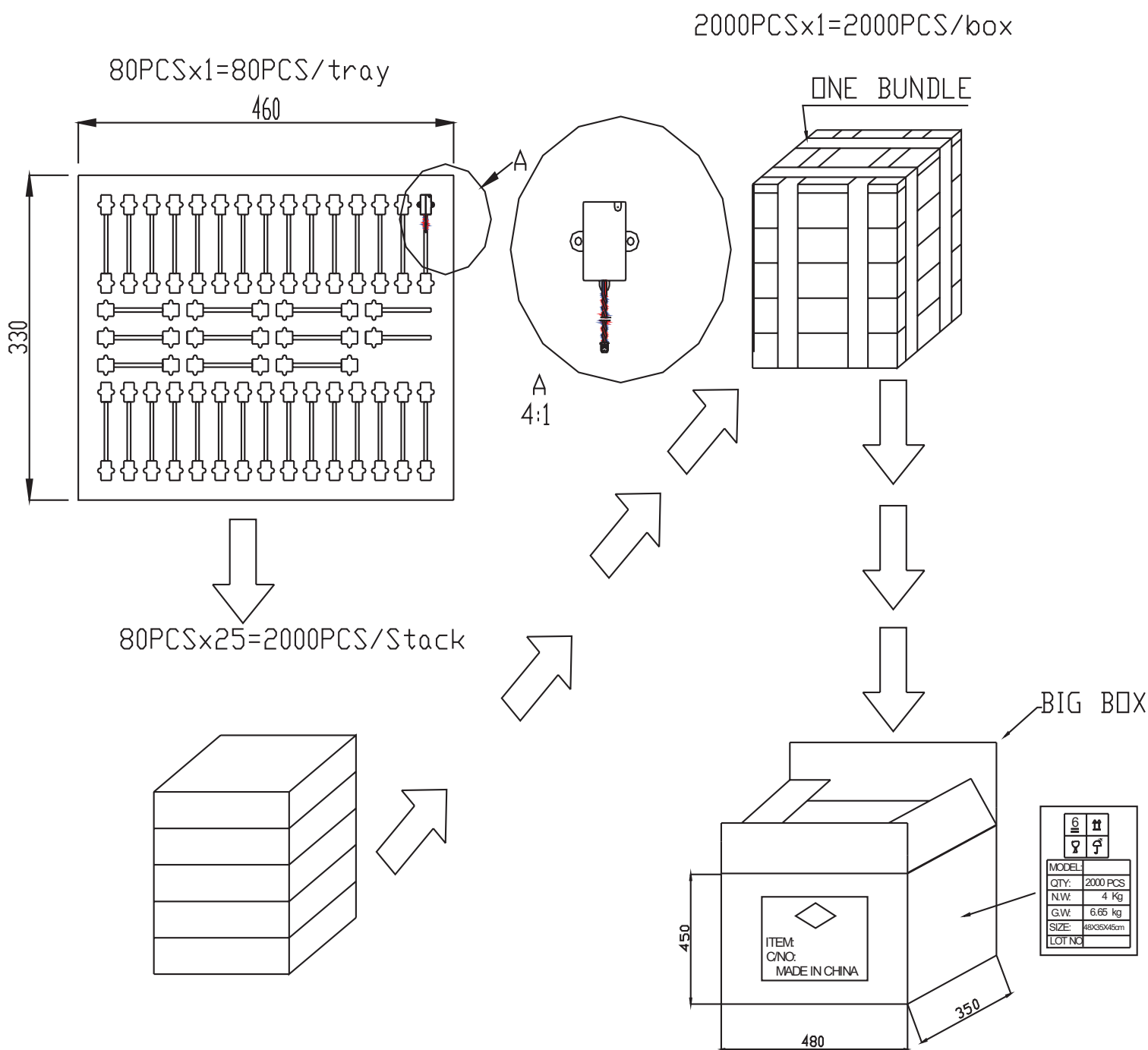
Test Conditions: 2.53 Vrms / 10 cm



PACKAGING

units: mm

Tray QTY: 80 pcs per tray
Carton Size: 480 x 350 x 450 mm
Carton QTY: 2,000 pcs per carton



REVISION HISTORY

| rev. | description | date |
|------|---------------------------------------|------------|
| 1.0 | initial release | 11/07/2019 |
| 1.01 | added internal speaker details | 03/12/2020 |
| 1.02 | added Molex and JST connector options | 10/21/2020 |

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

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