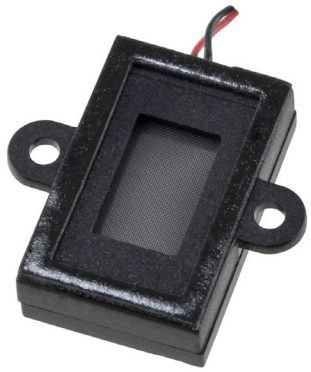
CUDEVICES

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



RoHS

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

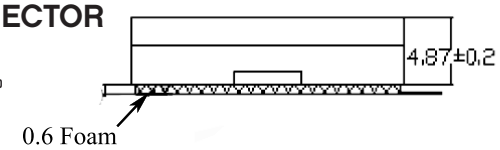
Termination Options:
“blank” = wire leads, no connector
A = wire leads with Molex housing 51021-0200
B = wire leads with JST housing SHR-02V-S-B

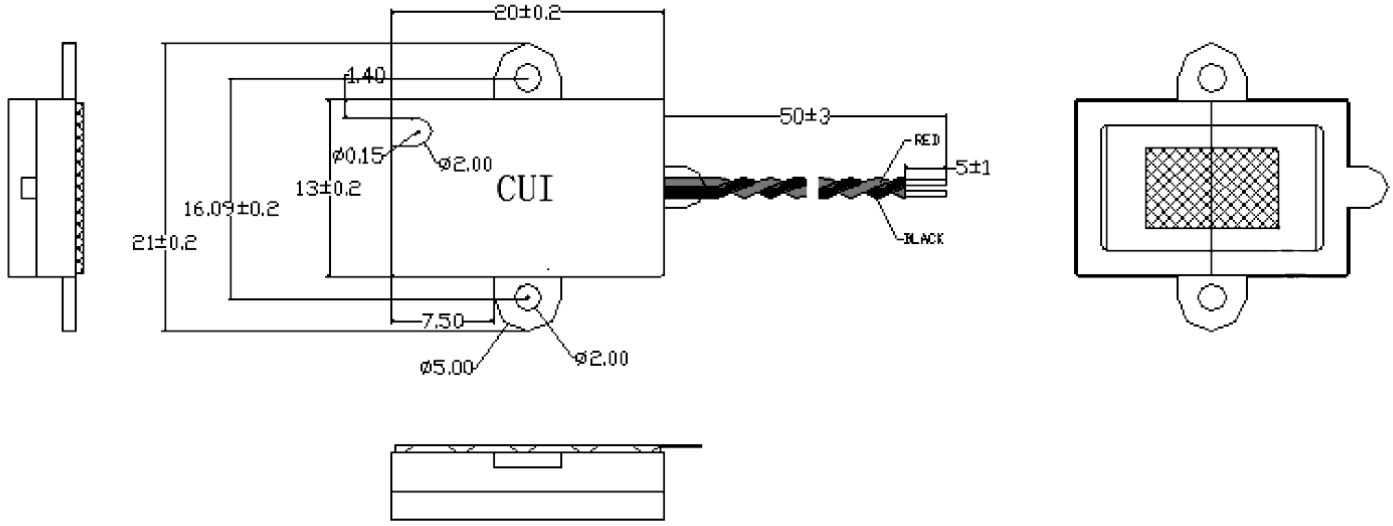
MECHANICAL DRAWINGS

units: mm
tolerance: ±0.2 mm

WIRE LEADS, NO CONNECTOR

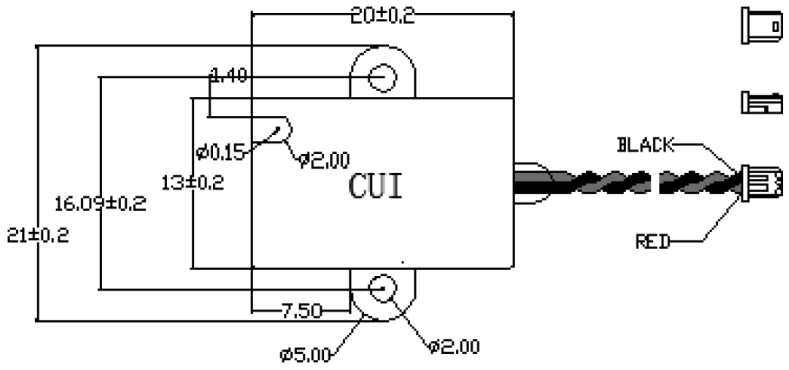
wire: UL 1571 32 AWG
internal speaker: CMS-151103-088SP





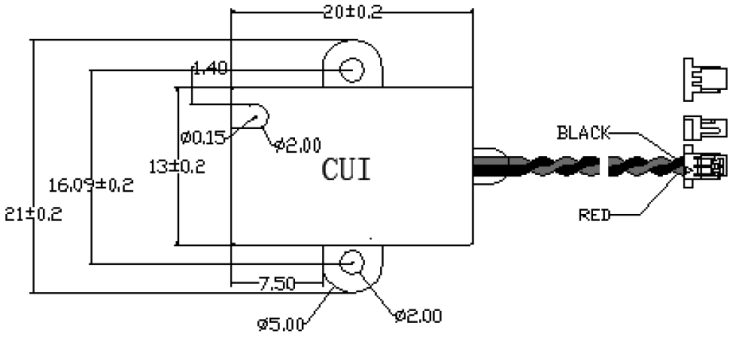
WIRE LEADS WITH MOLEX CONNECTOR

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



WIRE LEADS WITH JST CONNECTOR

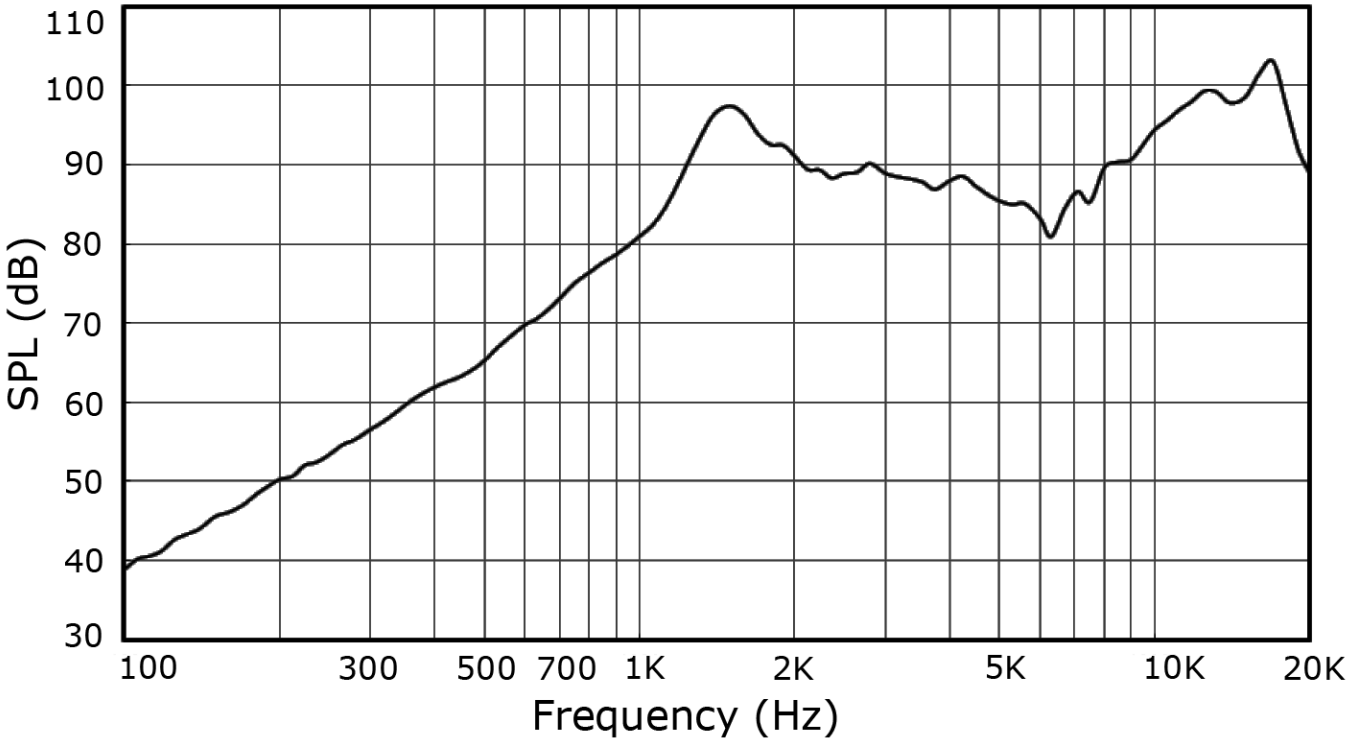
wire: UL 1571 30 AWG
connector: JST SHR-02V-S-B
mating connector: JST BM02B-SRSS-TB
internal speaker: CMS-151103-088SP



RESPONSE CURVES

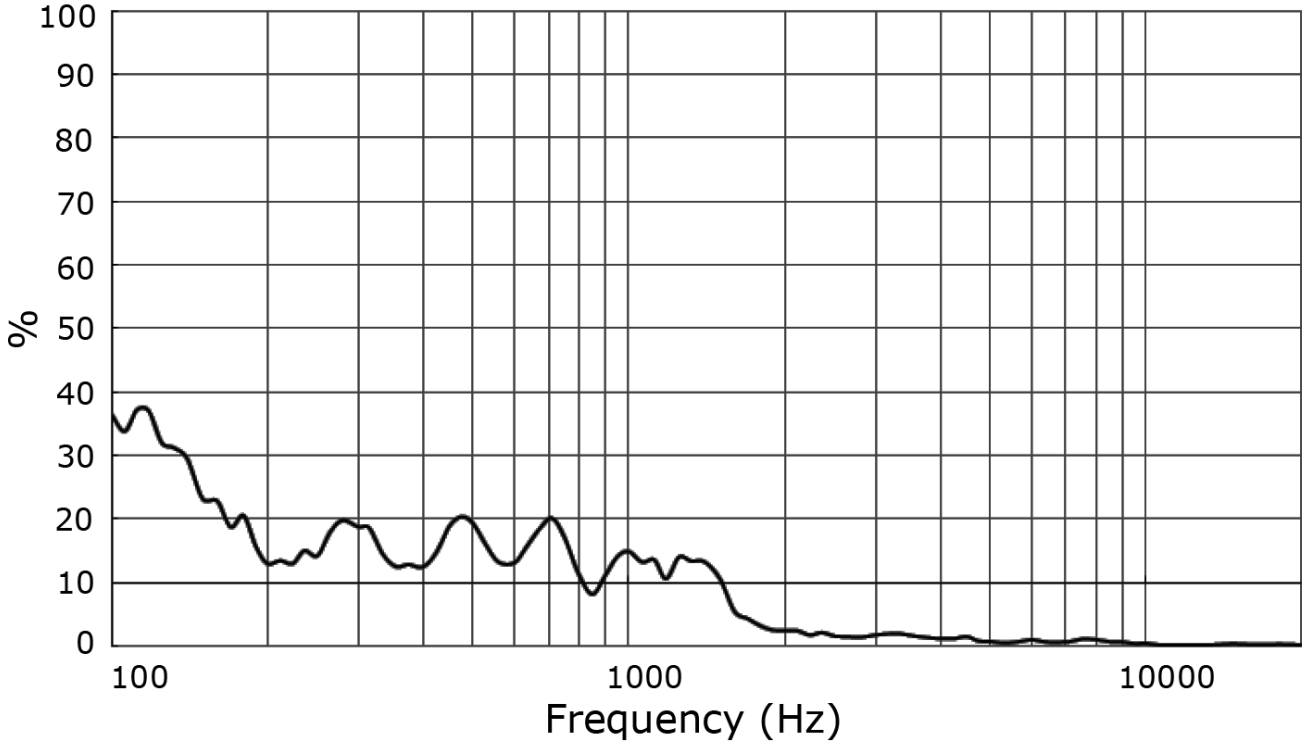
Frequency Response Curve

Test Conditions: 2.53 Vrms / 10 cm



Total Harmonic Distortion Curve

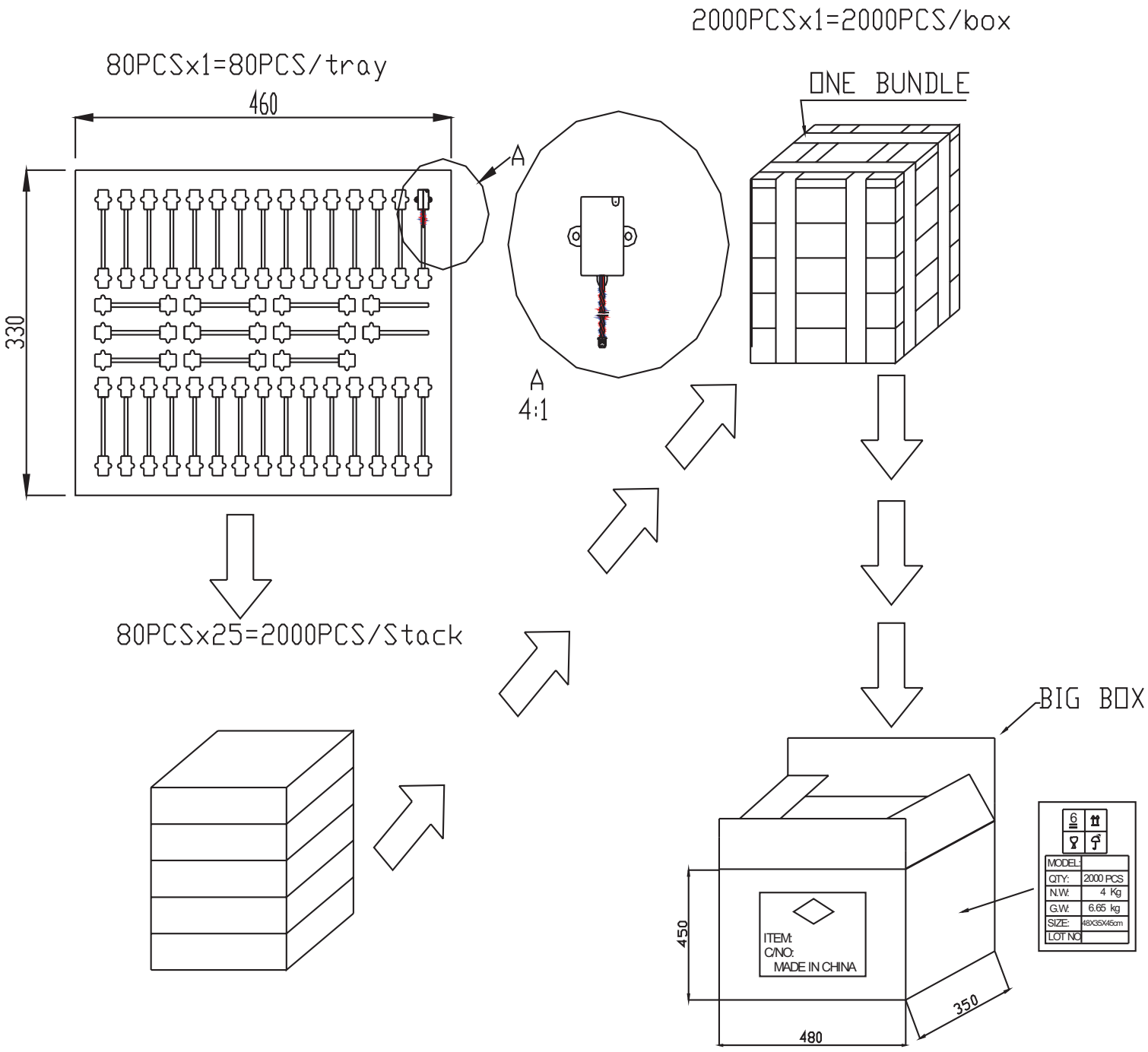
Test Conditions: 2.53 Vrms / 10 cm



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
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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