CUDEVICES

MODEL: CES-30207-158L120-67 | DESCRIPTION: SPEAKER

FEATURES

- 8 ohm rated impedance
- 120 mm lead wire
- IP67 rated



RoHS IP67

SPECIFICATIONS

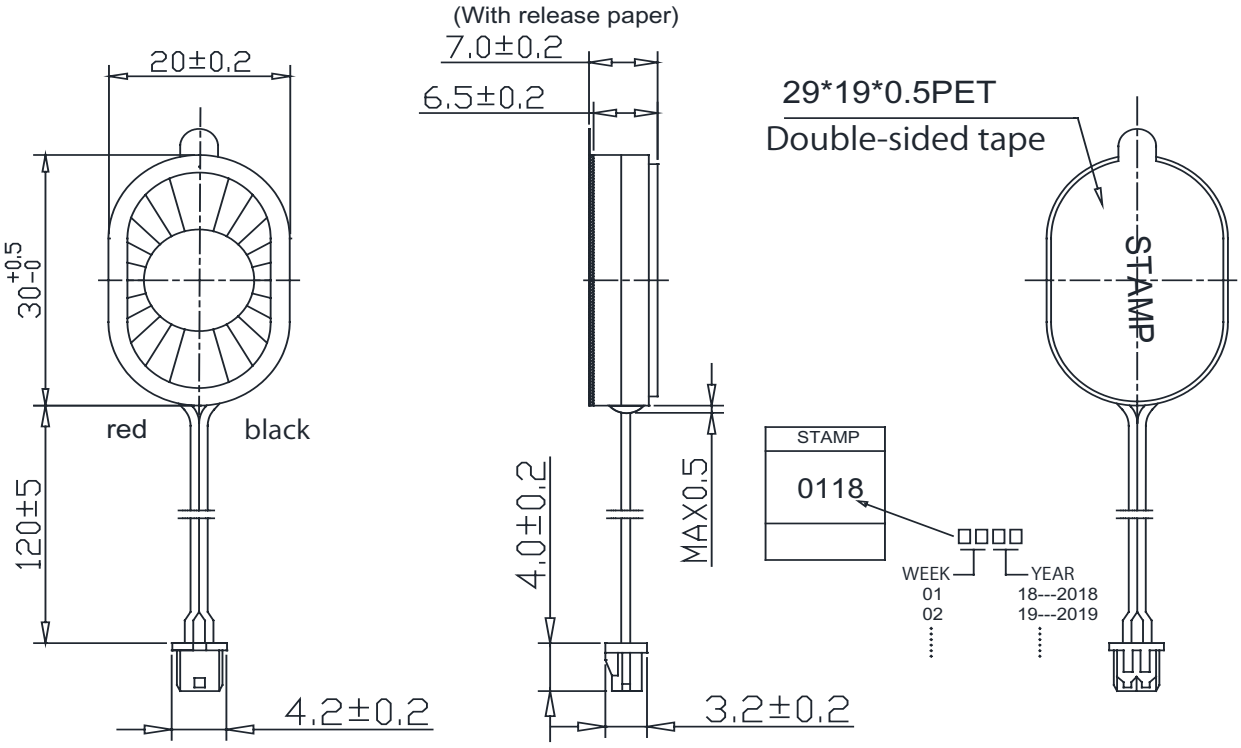
parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles (room temp)		1.5	2.0	W
impedance	at 3.0 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	1,360	1,700	2,040	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.5 W, 10 cm, avg at 3.0, 4.0, 5.0, 6.0 kHz	97	100	103	dB
distortion	at 2.0 kHz, rated power			10	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			4.0	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	30.0 x 20.0 x 7.0				mm
magnet	Nd-Fe-B				
enclosure material	ABS				
cone material	PEN				
terminal	wire leads with connector				
weight			5.5		g
operating temperature		-40		70	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP67 (front side)				

Notes: 1. All specifications measured at 25~75°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm

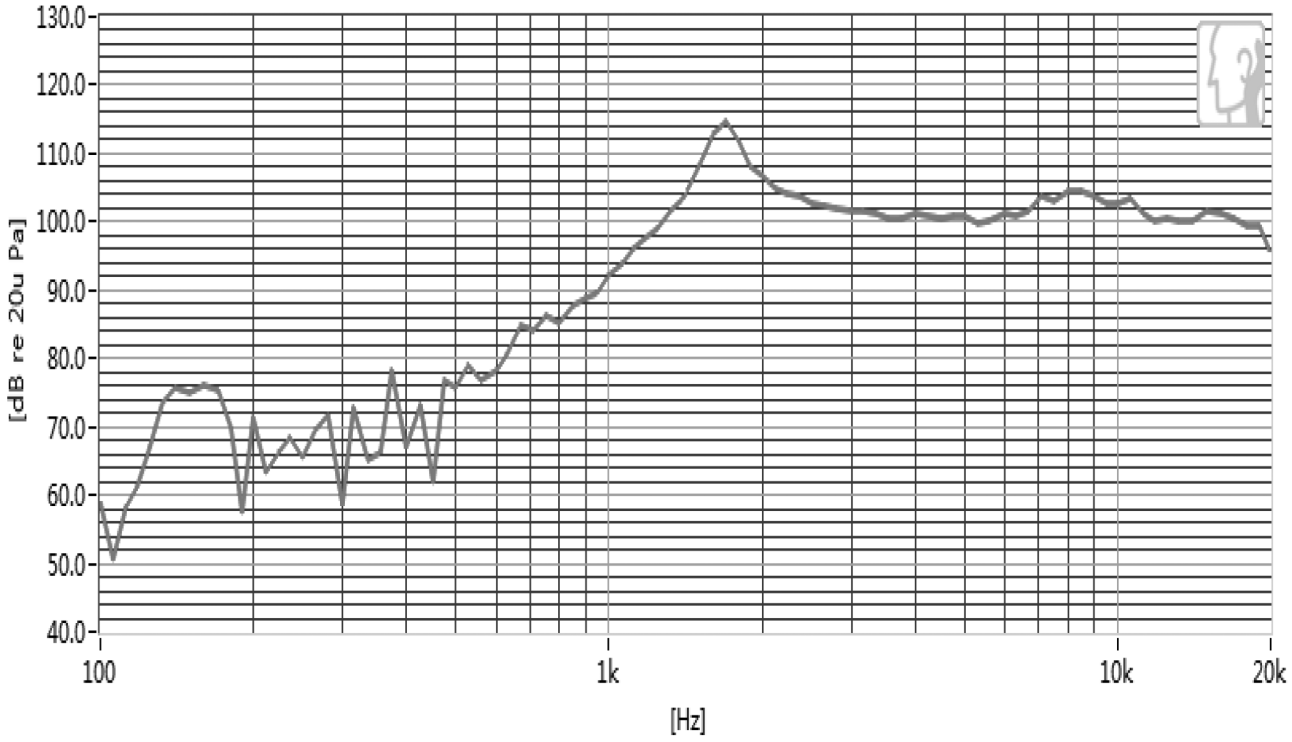
wire: UL1571 30 AWG
internal speaker: CMS-30205-158L120-67
connector: Molex 51021-0200 or equivalent; P=1.25



RESPONSE CURVES

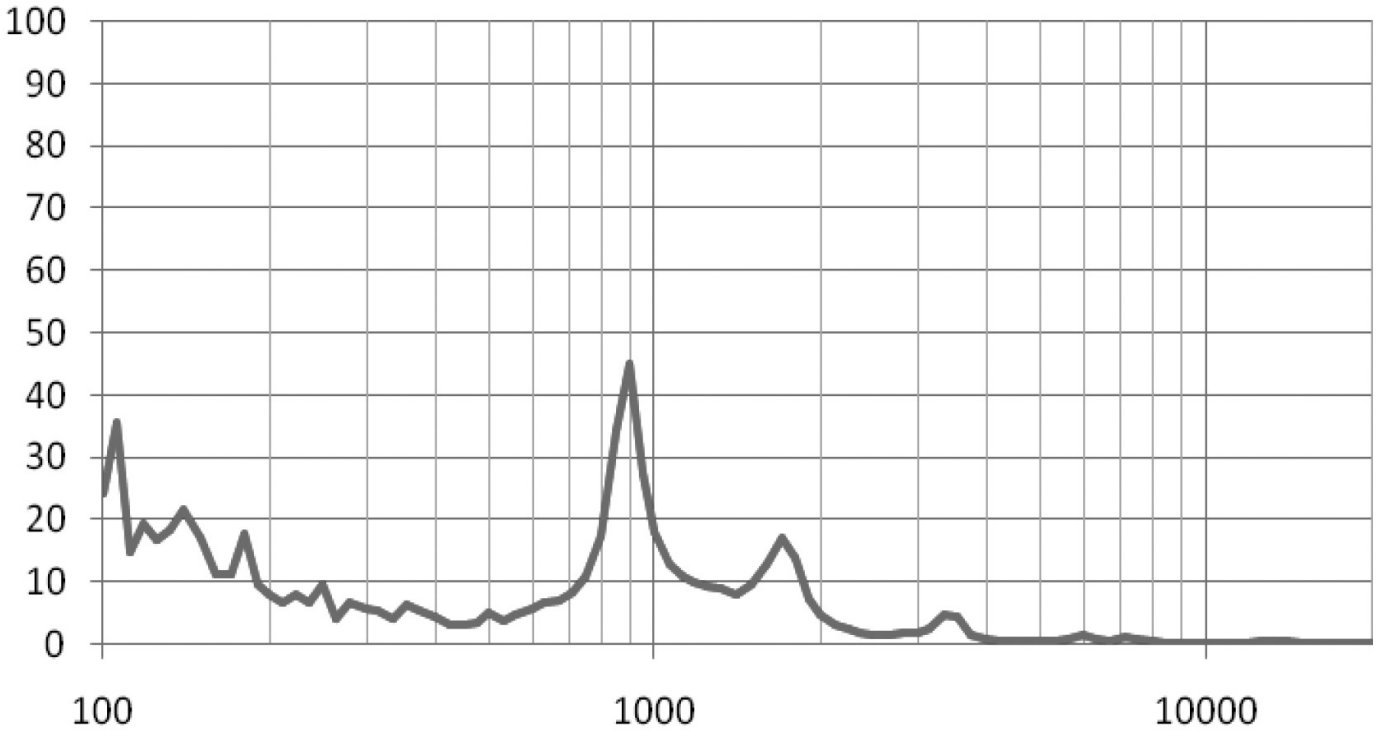
Frequency Response Curve

Test Conditions: 1.5 W / 10 cm



Total Harmonic Distortion Curve

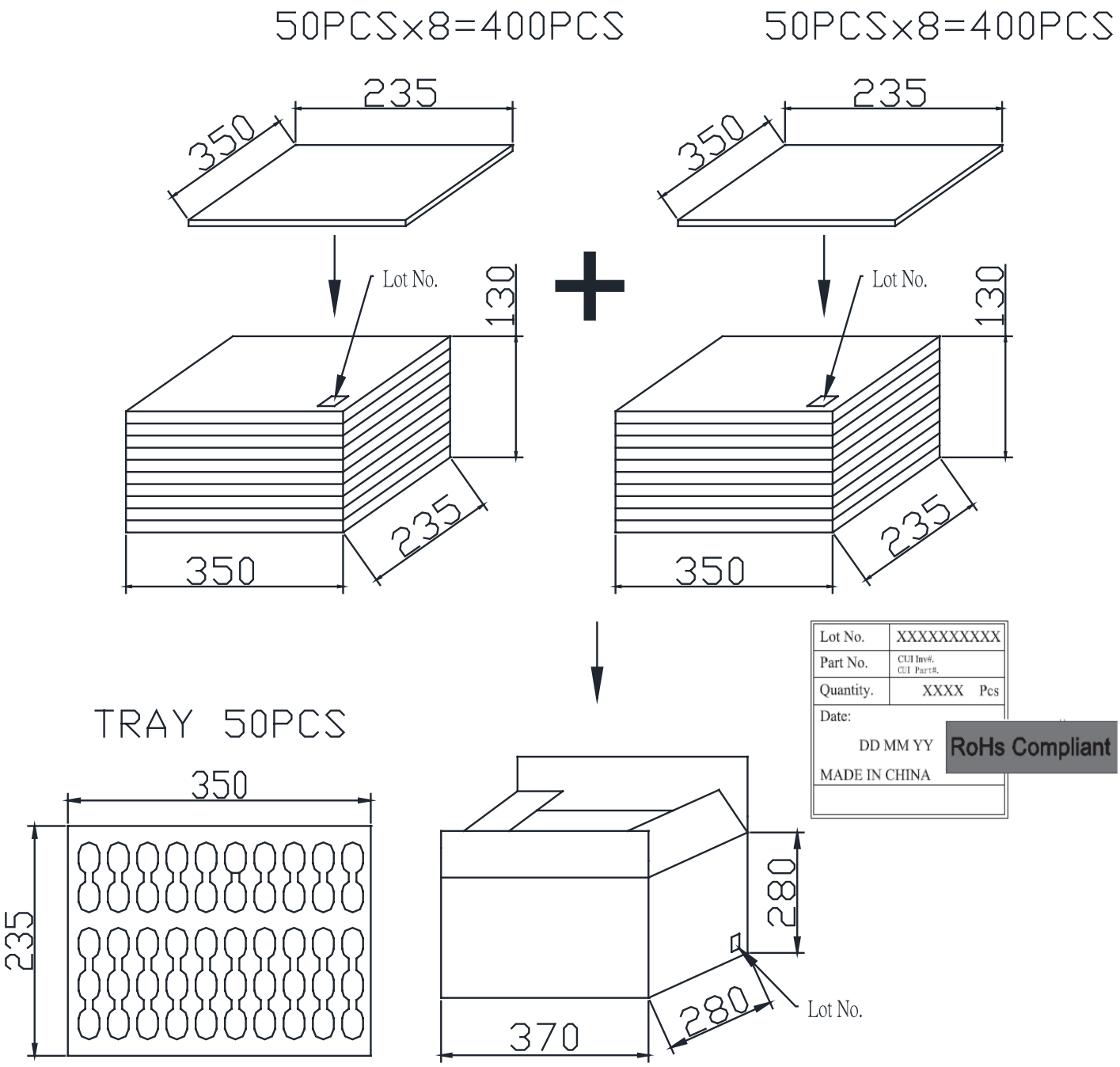
Test Conditions: 1.5 W / 10 cm



PACKAGING

units: mm

Tray Size: 350 x 235 x 15 mm
Tray QTY: 50 pcs per tray
Carton Size: 370 x 280 x 280 mm
Carton QTY: 800 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	06/08/2020
1.01	logo, datasheet style update	08/05/2022

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

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

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