

MODEL: CES-703316-28PM | **DESCRIPTION:** SPEAKER**FEATURES**

- paper and cloth cone
- 2 screw holes for mounting
- 420 mm lead wire
- connector

**SPECIFICATIONS**

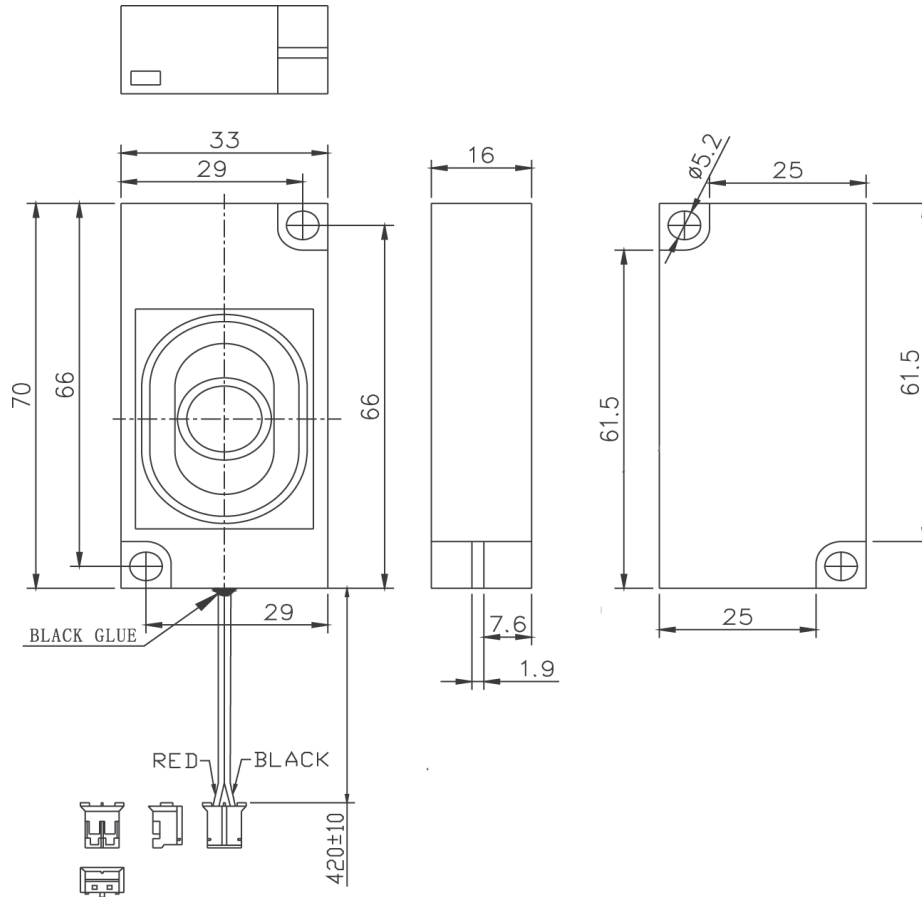
parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		2.0	3.0	W
impedance	at 1.0 kHz, 1.0 Vrms	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 Vrms, 10 cm	520	650	780	Hz
frequency response	as per IEC 268-5	Fo		20,000	Hz
sound pressure level	at 2.0 W, 10 cm, avg at 0.8, 1.0, 1.18, 1.5 kHz	99	102	105	dB
distortion	at 2.0 kHz, rated power, 10 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, 200~20,000 Hz			4.0	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	70 x 33 x 16				mm
magnet	Nd-Fe-B				
enclosure material	ABS				
cone material	paper + cloth				
terminal	wire leads w/ connector				
weight			25		g
operating temperature		-20		60	$^{\circ}\text{C}$
storage temperature		-30		70	$^{\circ}\text{C}$
RoHS	yes				

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$, humidity at 25~75%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

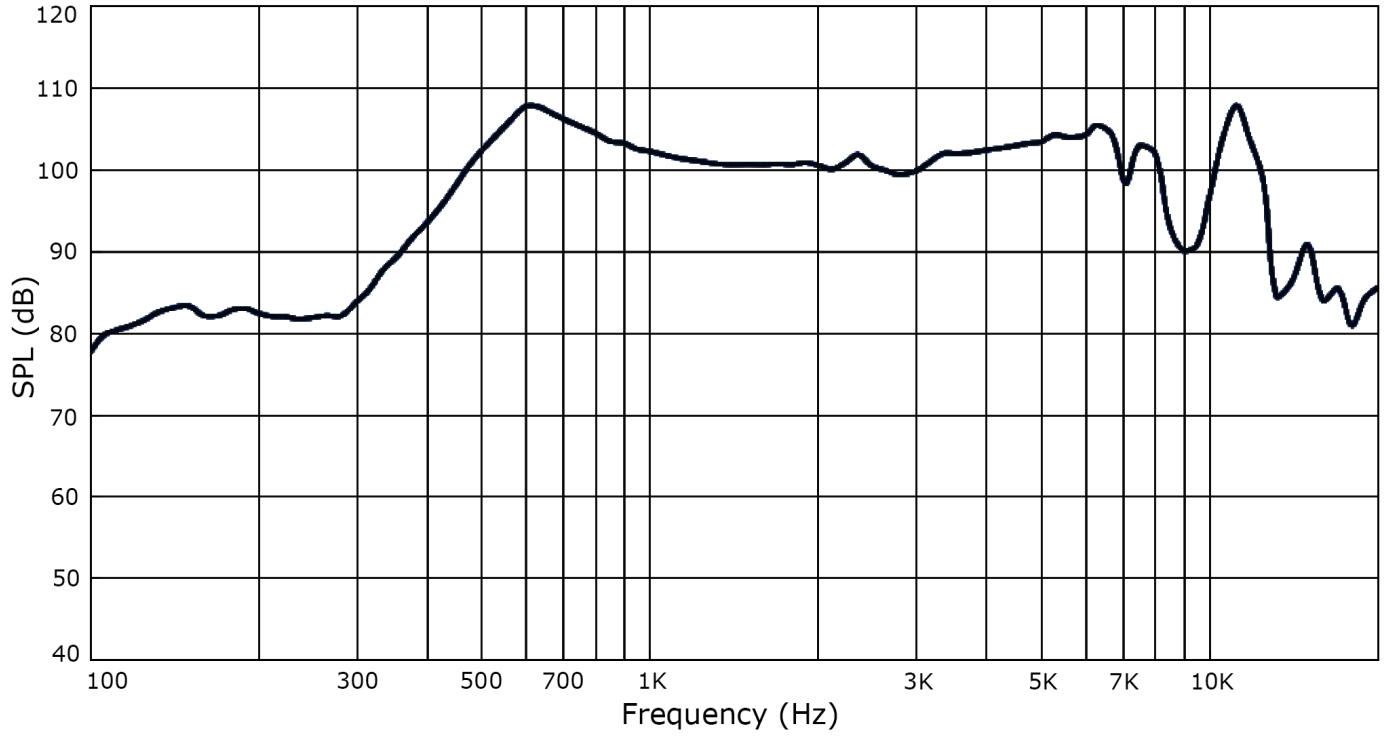
wire: UL1007 26 AWG
internal speaker: CMS-402811-28SP
connector: JST PHR-2
terminal: JST SPH-002T-P0.5S



RESPONSE CURVES

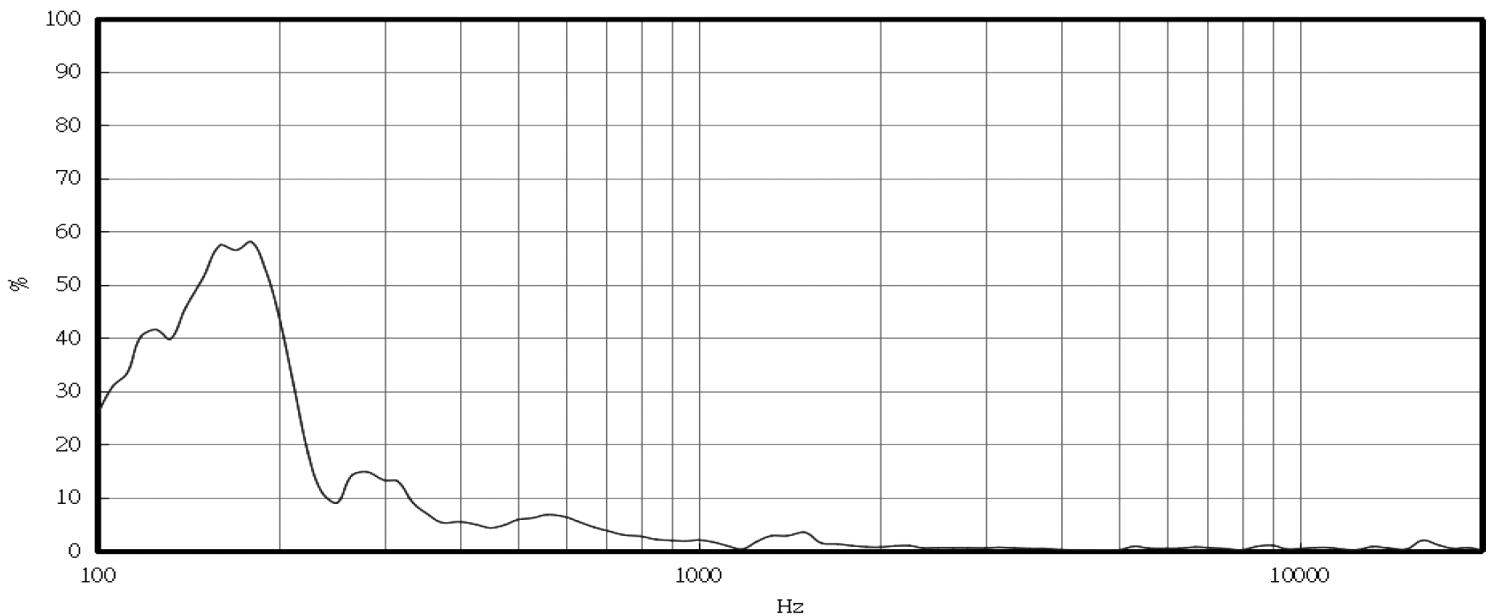
Frequency Response Curve

Test Conditions: 4.0 Vrms / 10 cm



Total Harmonic Distortion Curve

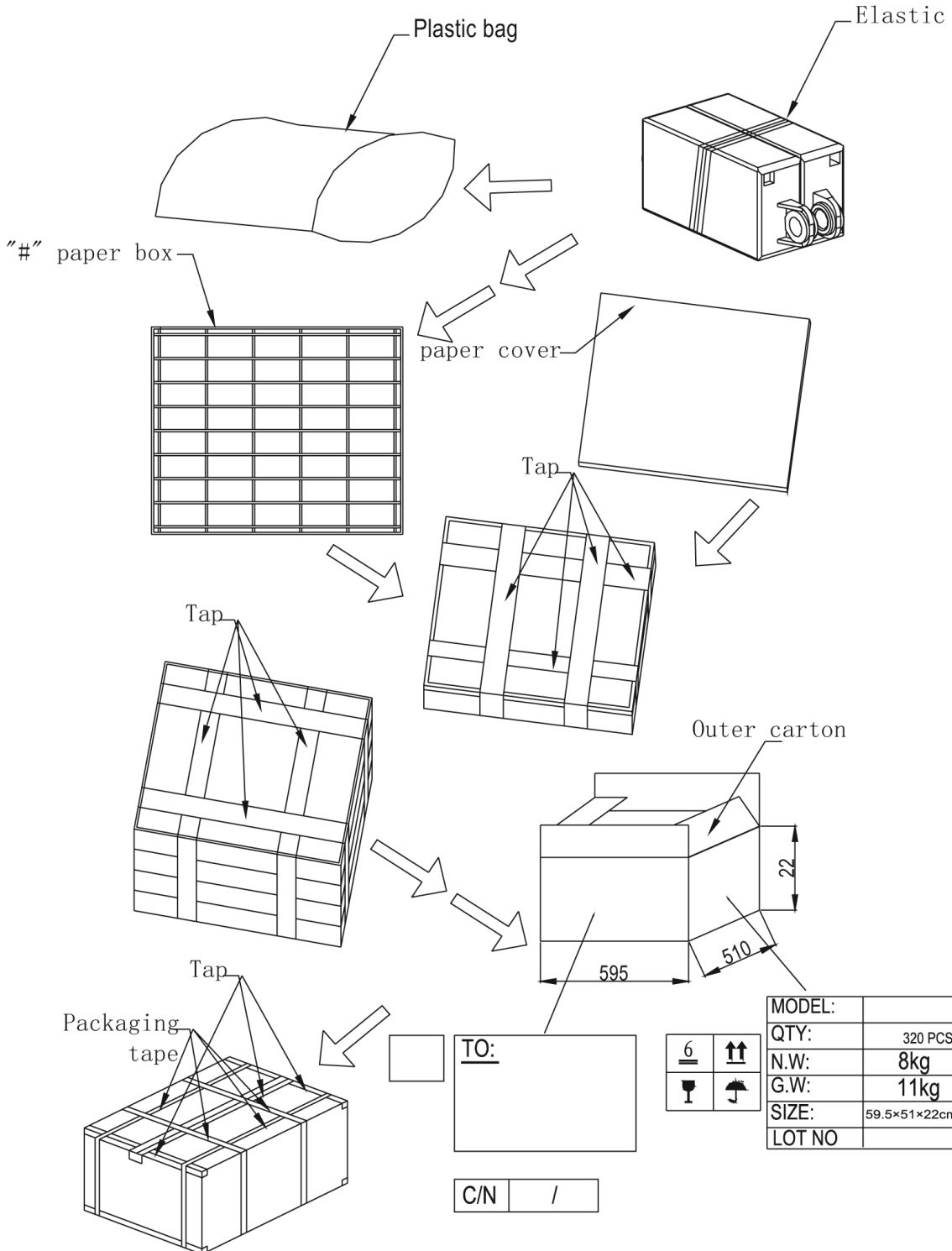
Test Conditions: 4.0 Vrms / 10 cm



PACKAGING

units: mm

Tray QTY: 80 pcs per tray (40 sets per box)
 Carton Size: 595 x 510 x 220 mm
 Carton QTY: 320 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	11/06/2019
1.01	added internal speaker details	03/12/2020
1.02	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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