

**MODEL:** CES-3210-18PM-67 | **DESCRIPTION:** SPEAKER**FEATURES**

- enclosed
- adhesive included
- molex connector

**SPECIFICATIONS**

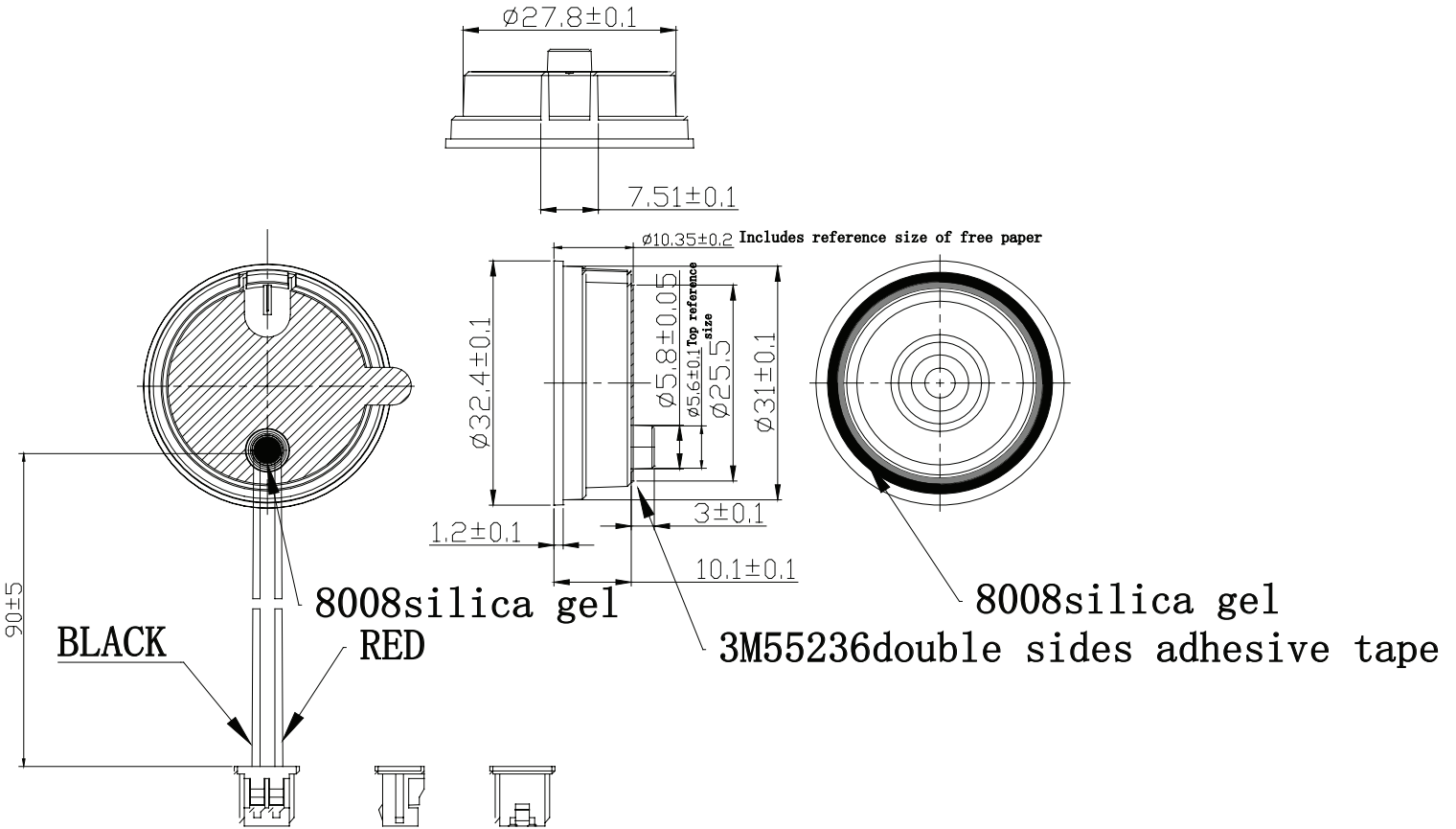
parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		1.5	2.0	W
impedance	at 2.0 kHz, 1 V	6.8	8	9.2	$\Omega$
resonant frequency (Fo)	at 1.0 V	1,040	1,300	1,560	Hz
frequency response		Fo		7,000	Hz
sound pressure level	at 1.0 W, 10 cm, avg at 1.2, 1.5, 2.4, 3.0 kHz	98	101	104	dB
	at 1.5 W, 10 cm, avg at 1.2, 1.5, 2.4, 3.0 kHz	99.5	102.5	105.5	dB
distortion	at 2.0 kHz, 1.0 W			5	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 7 kHz			3.46	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 32.4 \times 10.1$				mm
magnet	Nd-Fe-B				
enclosure material	SPCC+PC				
cone material	PEI				
terminal	wire leads with connector				
weight			14.5		g
operating temperature		-40		85	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				
IP level	IP67				

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

# MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

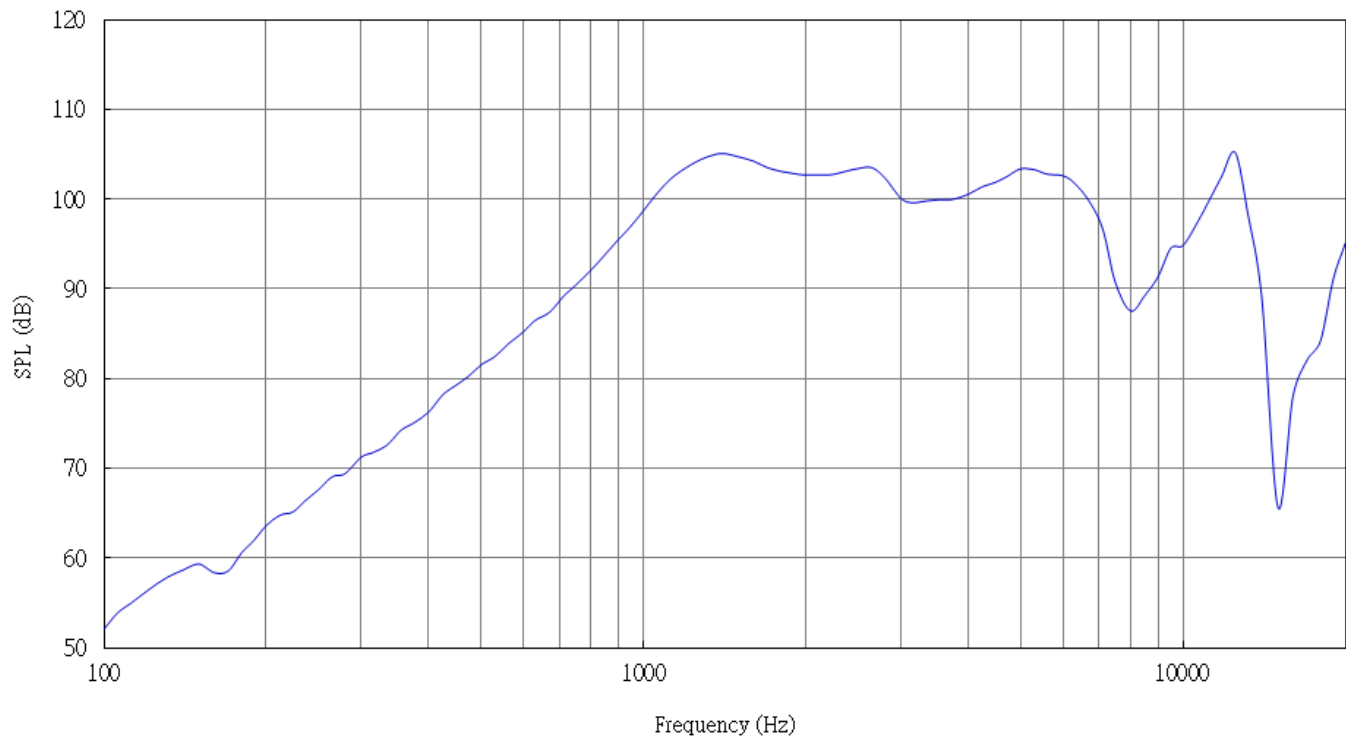
wire: UL1571 28 AWG  
connector: Molex 51021-0200  
mating connector: Molex 53047-0210



## RESPONSE CURVES

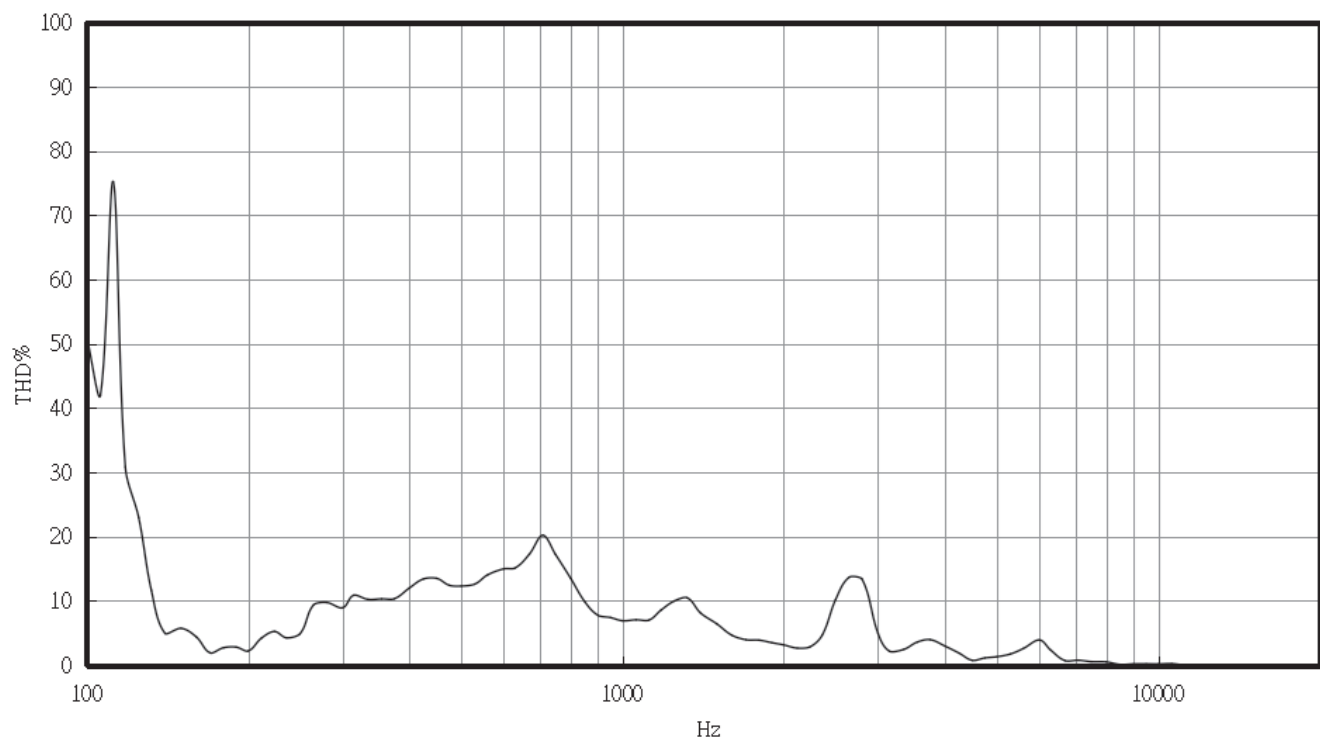
### Frequency Response Curve

Test Conditions: 1.0 W / 10 cm



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm



## REVISION HISTORY

rev.	description	date
1.0	initial release	12/05/2023

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



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