MODEL: CES-5234-44-L200 | DESCRIPTION: SPEAKER

FEATURES

- low resonance frequency
- high sound pressure level
- easy installation

RoHS

SPECIFICATIONS

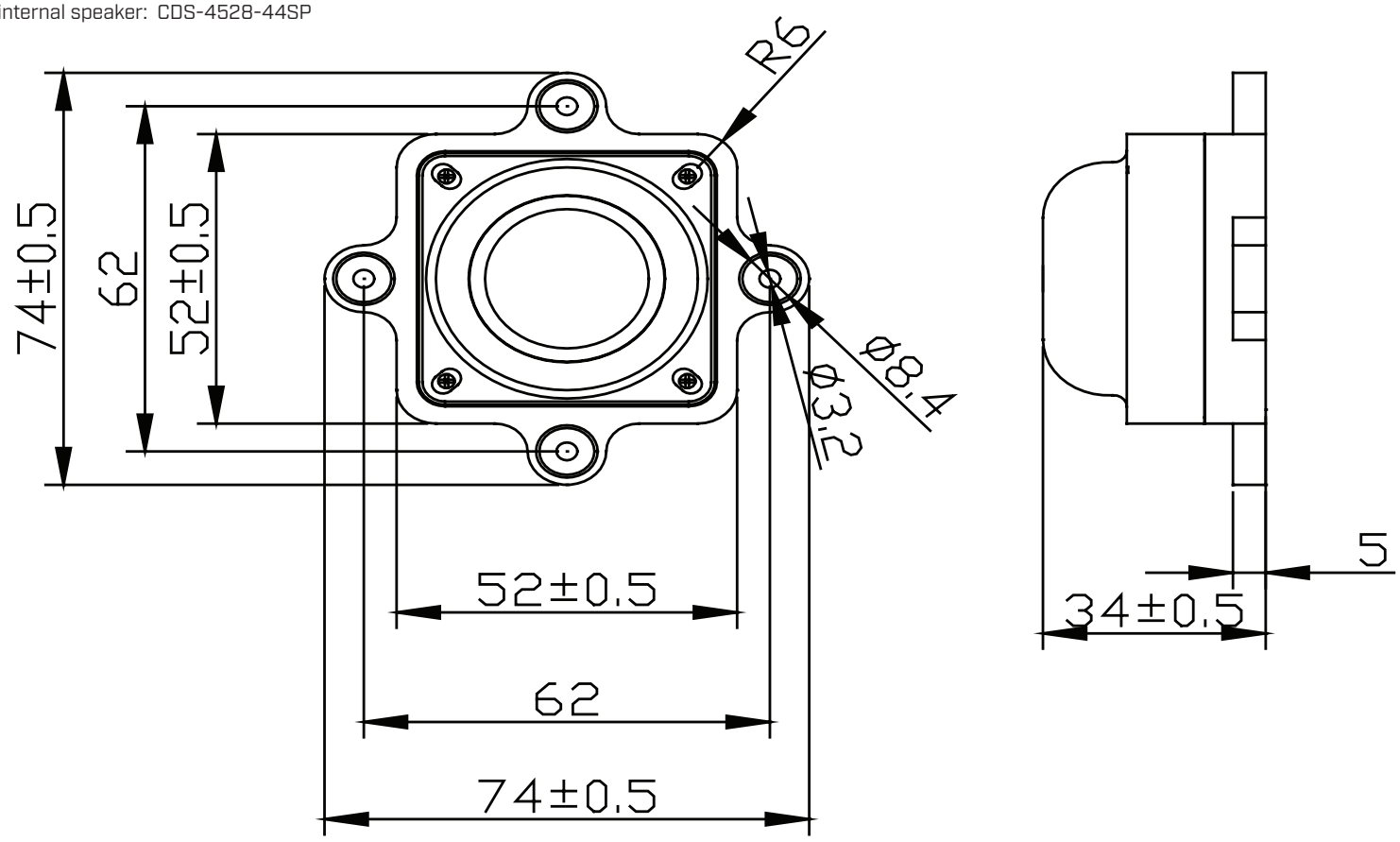
parameter	conditions/description	min	typ	max	units
input power	max power: 1 min. on, 2 min. off, 10 cycles		4.0	6.0	W
impedance	at 2.0 kHz	3.2	4.0	4.8	Ω
resonant frequency (Fo)	at 1 Vrms in free air	276	345	414	Hz
frequency response		20		20,000	Hz
sound pressure level	at 4.0 W, 10 cm, avg. 1.0, 2.0, 3.0, 4.0 kHz in free air	103	106	109	dB
distortion	at 1.0 kHz, 4.0 W, 10 cm			10	%
buzz, rattle, etc.	must be normal between 0.02~2.0 kHz in free air			4.0	V
polarity	cone moves forward w/ positive dc current to “+” terminal				
dimensions	52 x 52 x 34				mm
magnet	Nd-Fe-B				
enclosure material	SPCC				
cone material	PU + paper				
terminal	wire leads				
weight		50	60	70	g
operating temperature		-20		60	°C
storage temperature		-30		70	°C
hand soldering	for 3~5 seconds	370	380	390	°C
RoHS	yes				

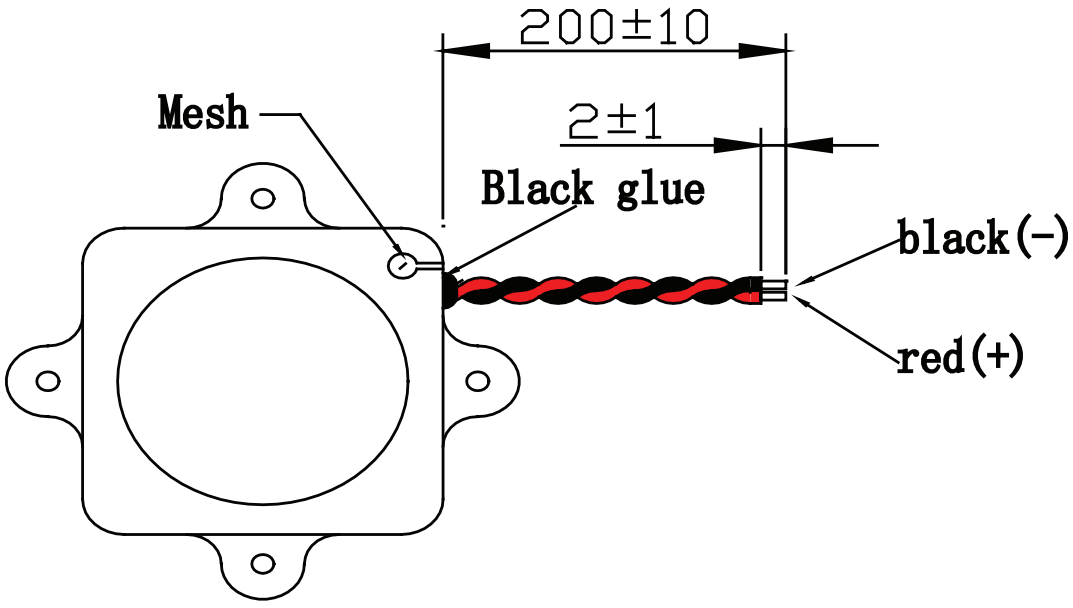
Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

wire: UL1007 24 AWG
internal speaker: CDS-4528-44SP

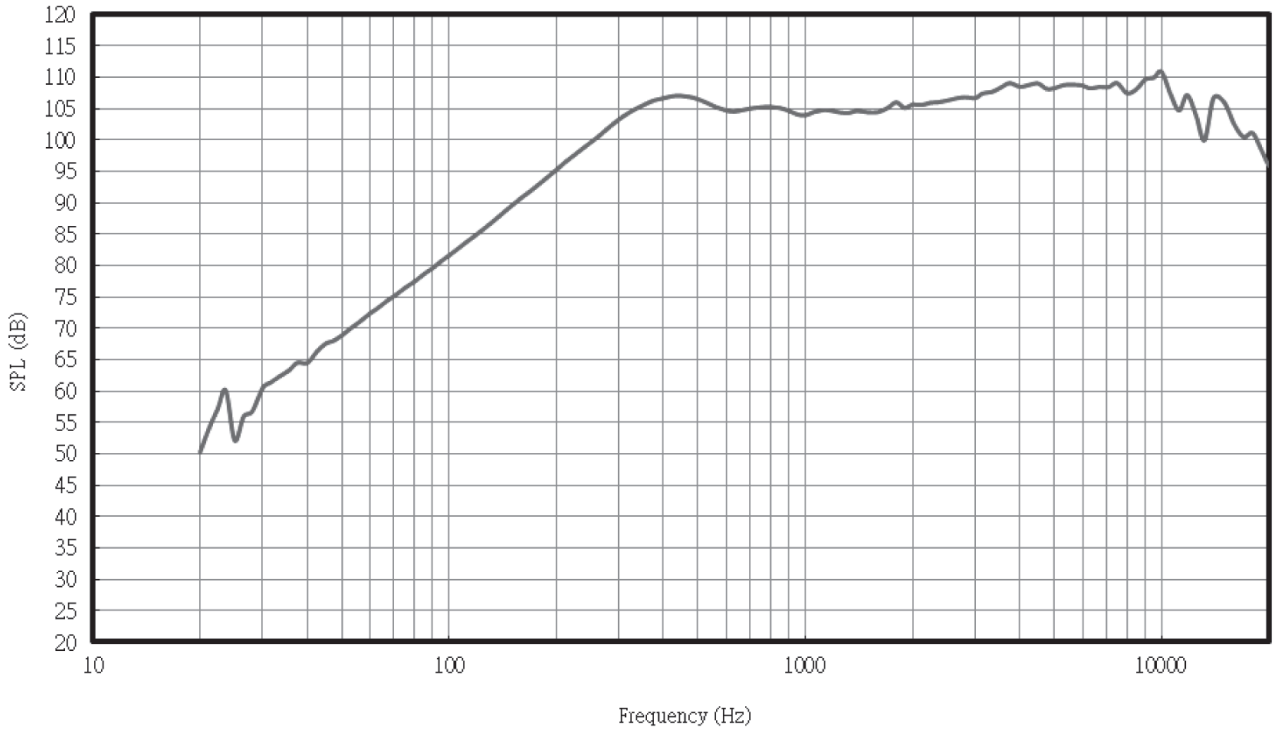




RESPONSE CURVES

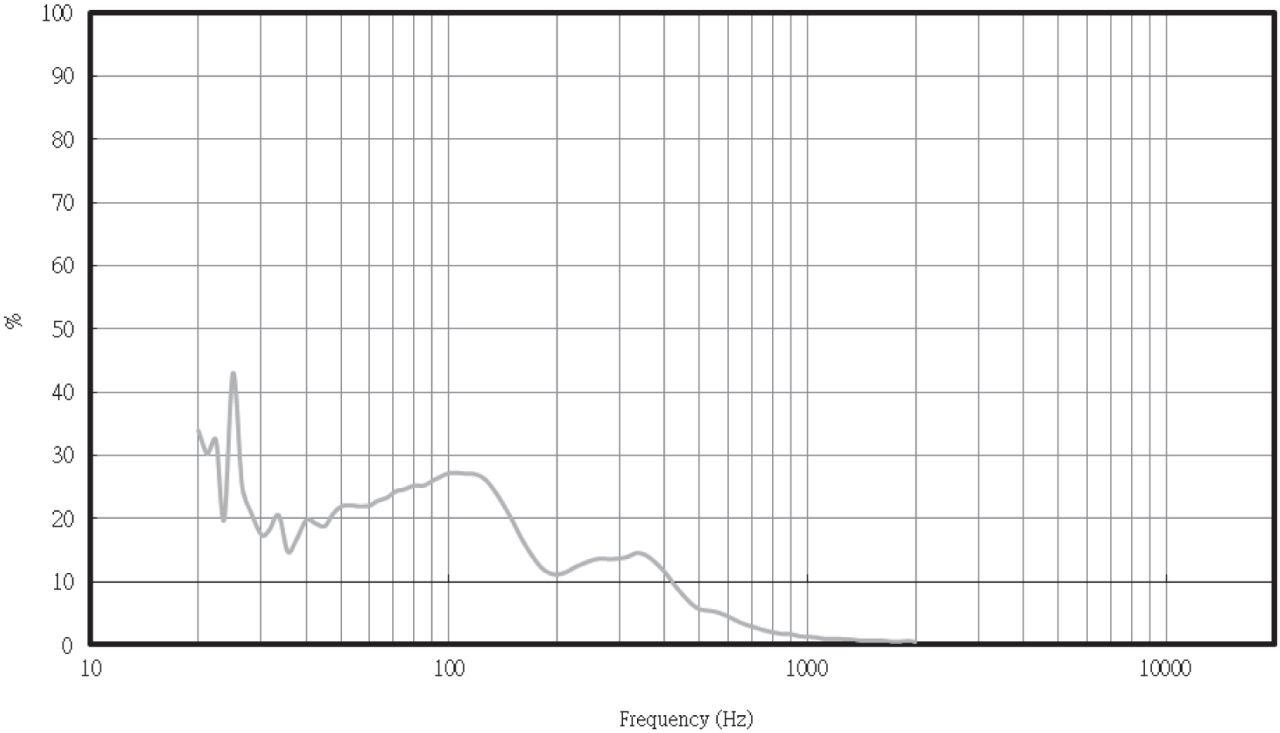
Frequency Response Curve

Test Conditions: 4.0 Vrms / 10 cm in free air



Total Harmonic Distortion Curve

Test Conditions: 4.0 Vrms / 10 cm in free air



REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2025

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