CUI Devices is now Same Sky! Learn More

SERIES: CES-252033-18X | DESCRIPTION: SPEAKER

FEATURES

- adhesive included on face and back
- side sound port
- low profile

RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 1 min. on, 2 min. off, 10 cycles		1.0	1.2	W
impedance	at 2 kHz, 2.83 Vrms	6.8	8.0	9.2	Ω
resonant frequency (Fo)		800	1,000	1,200	Hz
frequency response		Fo		10,000	Hz
sound pressure level	at 2.63 Vrms, 10 cm, avg at 1.2, 1.5, 2.0, 2.5 kHz	93	96	99	dB
distortion	at 1.0 kHz, 2.83 Vrms, 10 cm			15	%
buzz, rattle, etc.	must be normal at sine wave between 300 Hz~5 kHz			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	25 x 20 x 6				mm
magnet	Nd-Fe-B				
enclosure material	ABS + PC				
cone material	PEEK				
weight	wire leads model wire leads with connector model	3.51 3.56	3.90 3.95	4.29 4.35	g g
operating temperature		-25		65	°C
storage temperature		-25		65	°C
hand soldering	for 3~5 seconds (wire leads model only)	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.

PART NUMBER KEY

CES - 252033 - 18 **XX**

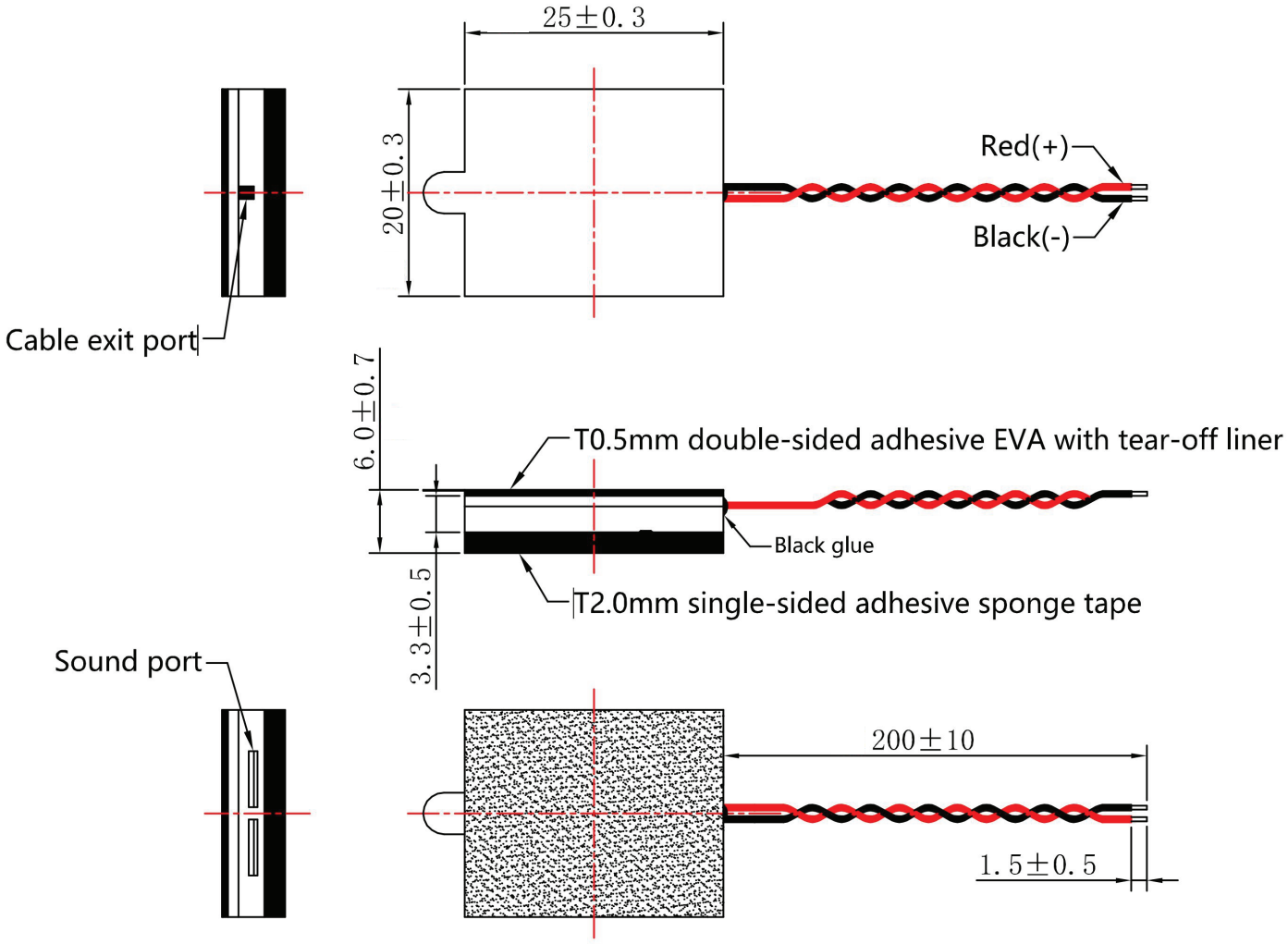
Base Number

Termination Options:
L200 = 200 mm wire leads
L200B = 200 mm wire leads with equivalent to Molex 51021-0200 connector

MECHANICAL DRAWING (WIRE LEADS)

units: mm

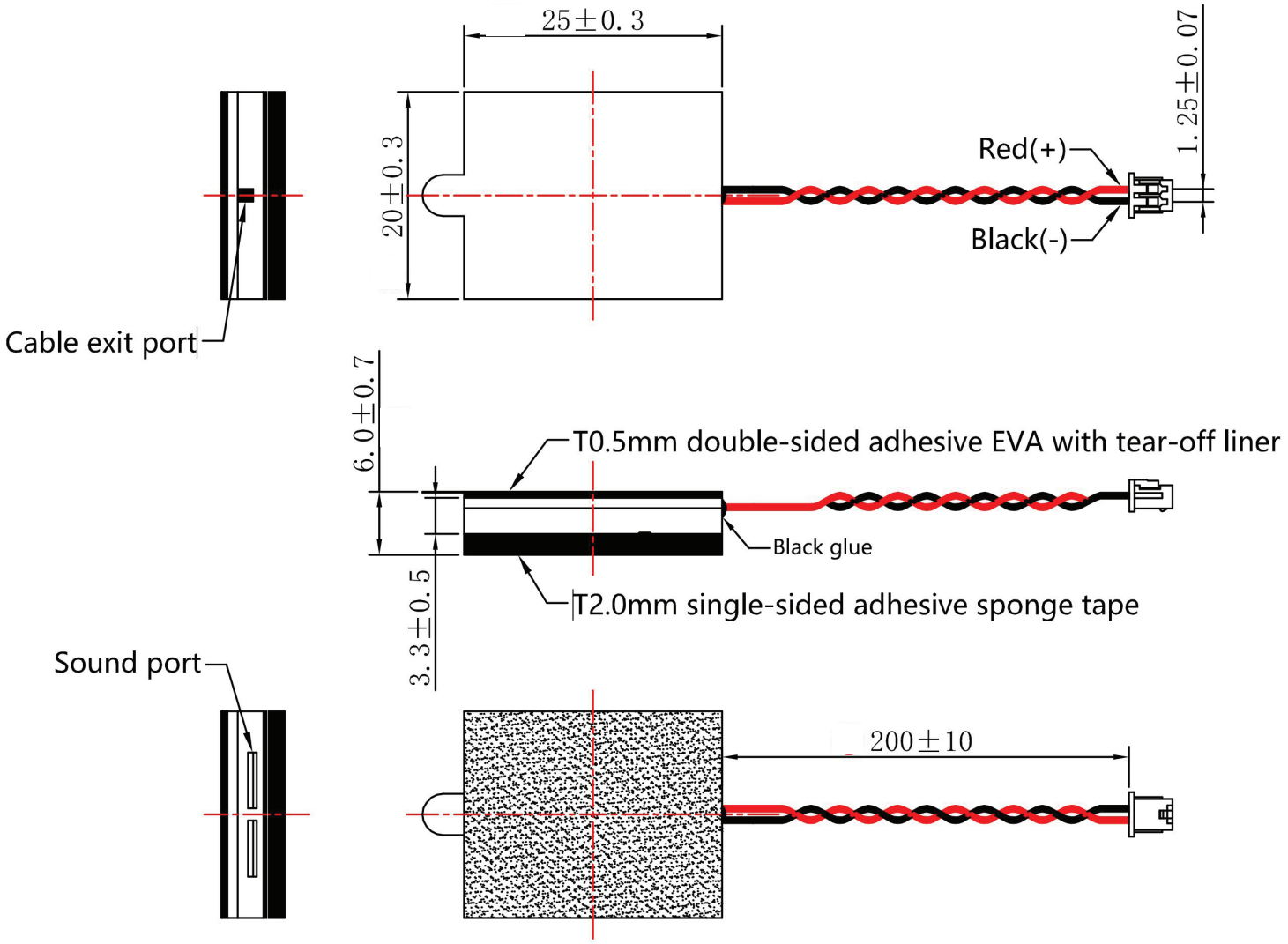
wire: UL1571 30 AWG
internal speaker: CMS-171222S-037X



MECHANICAL DRAWING (WIRE LEADS W/ CONNECTOR)

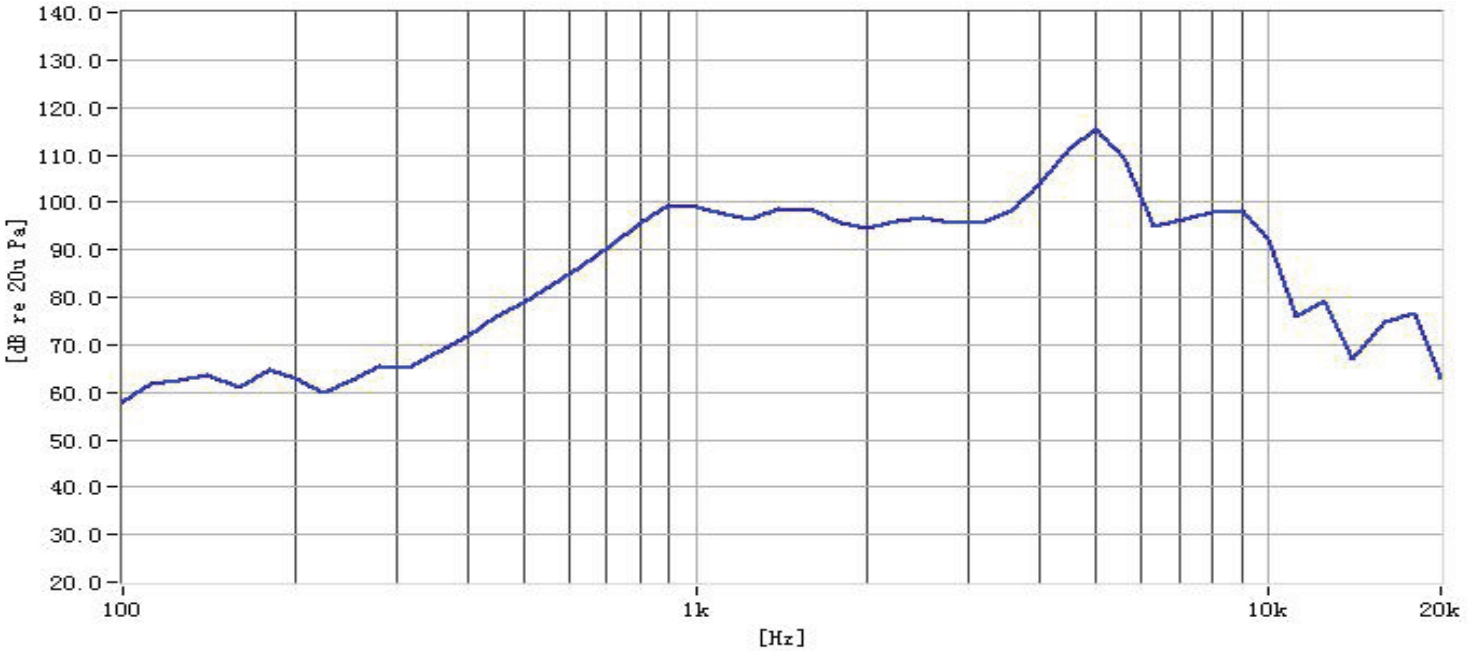
units: mm

wire: UL1571 30 AWG
internal speaker: CMS-171222S-037X
connector: Equivalent to Molex 51021-0200
mating connector: Molex 53261-0271 or equivalent

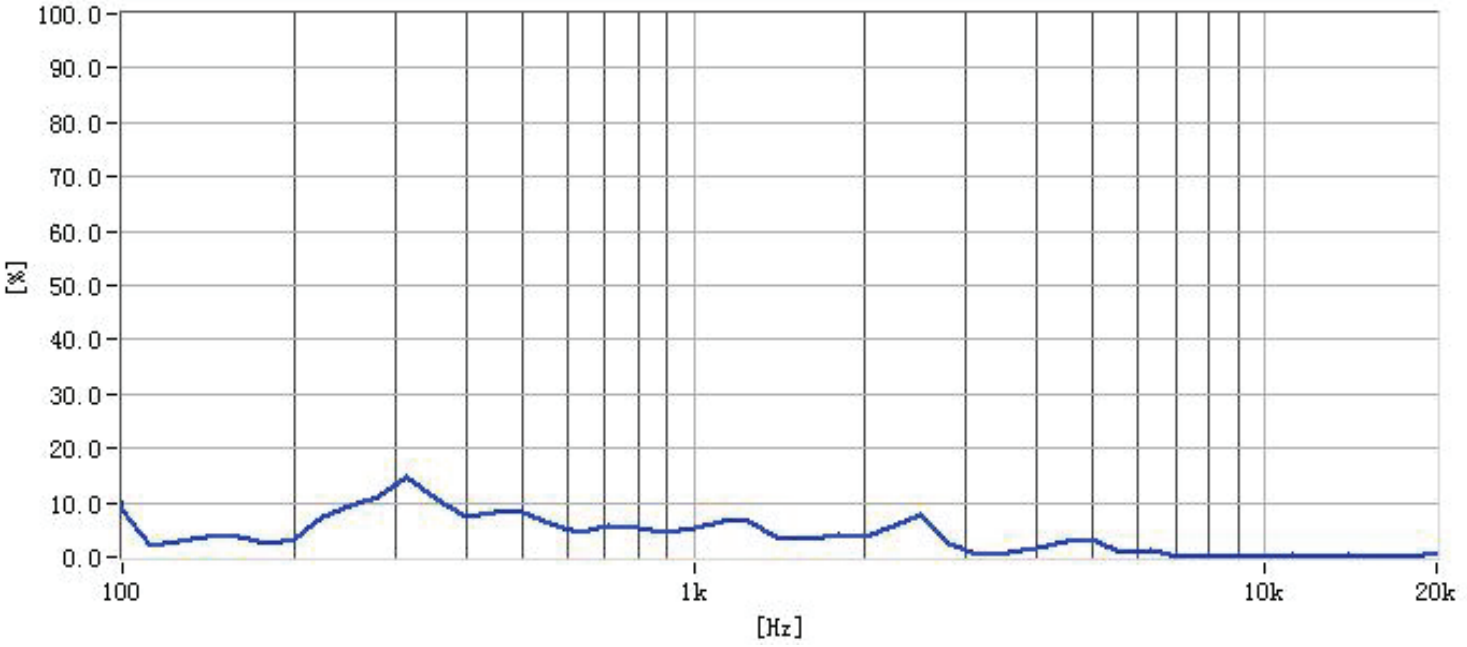


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



REVISION HISTORY

rev.	description	date
1.0	initial release	09/03/2026

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

same sky

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