

**MODEL:** CES-32166-18PM-X7 | **DESCRIPTION:** SPEAKER**FEATURES**

- enclosed
- holes for panel mounting
- molex connector

**SPECIFICATIONS**

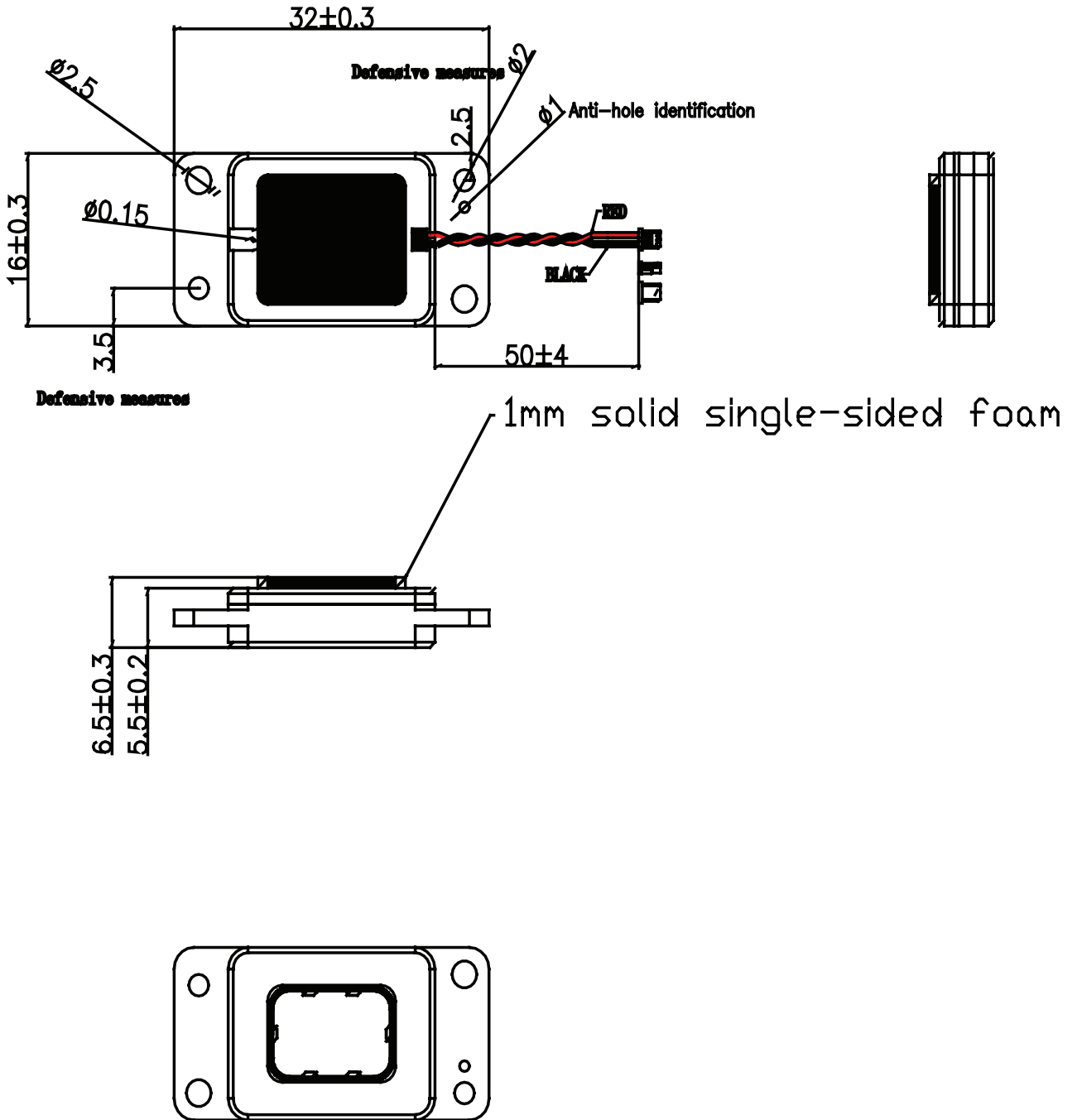
parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		1.0	1.3	W
impedance	at 2.0 kHz, 1.0 W	6.8	8	9.2	$\Omega$
resonant frequency (Fo)	at 1.0 W	1,024	1,280	1,536	Hz
frequency response		Fo		20,000	Hz
sound pressure level	1 W, 10 cm, 2.0 kHz	94	97	100	dB
distortion	at 2.0 kHz, 1.0 W			10	%
buzz, rattle, etc.	must be normal at sine wave between 200 Hz ~ 2 kHz in free air			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	32 x 16 x 6.5				mm
magnet	Nd-Fe-B				
enclosure material	PPA+PC1414				
cone material	PEEK				
terminal	wire leads with connector				
weight			3		g
operating temperature		-20		70	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				
IP level	IPX7				

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: ±0.5 mm

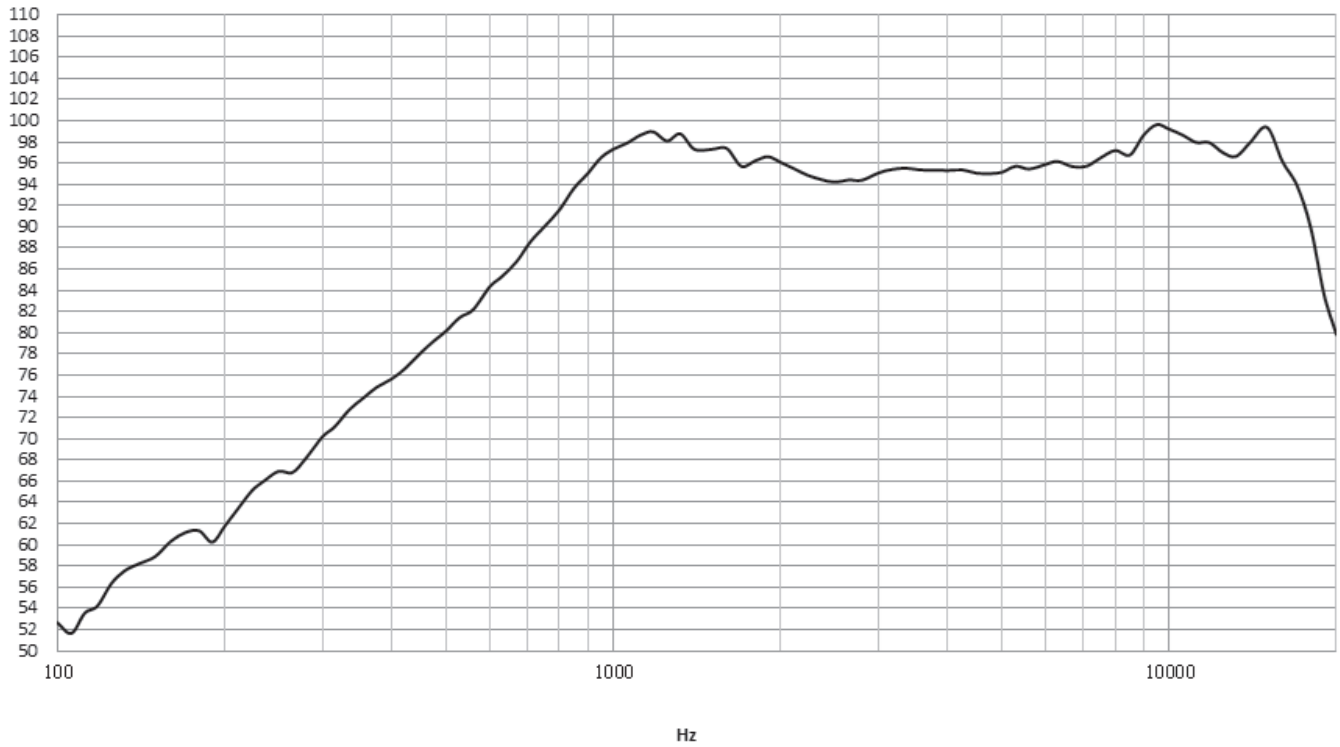
wire: UL1571 30 AWG  
internal speaker: CMS-151135-18SP-X8  
connector: Molex 51021-0200  
mating connector: Molex 53047-0210



## RESPONSE CURVES

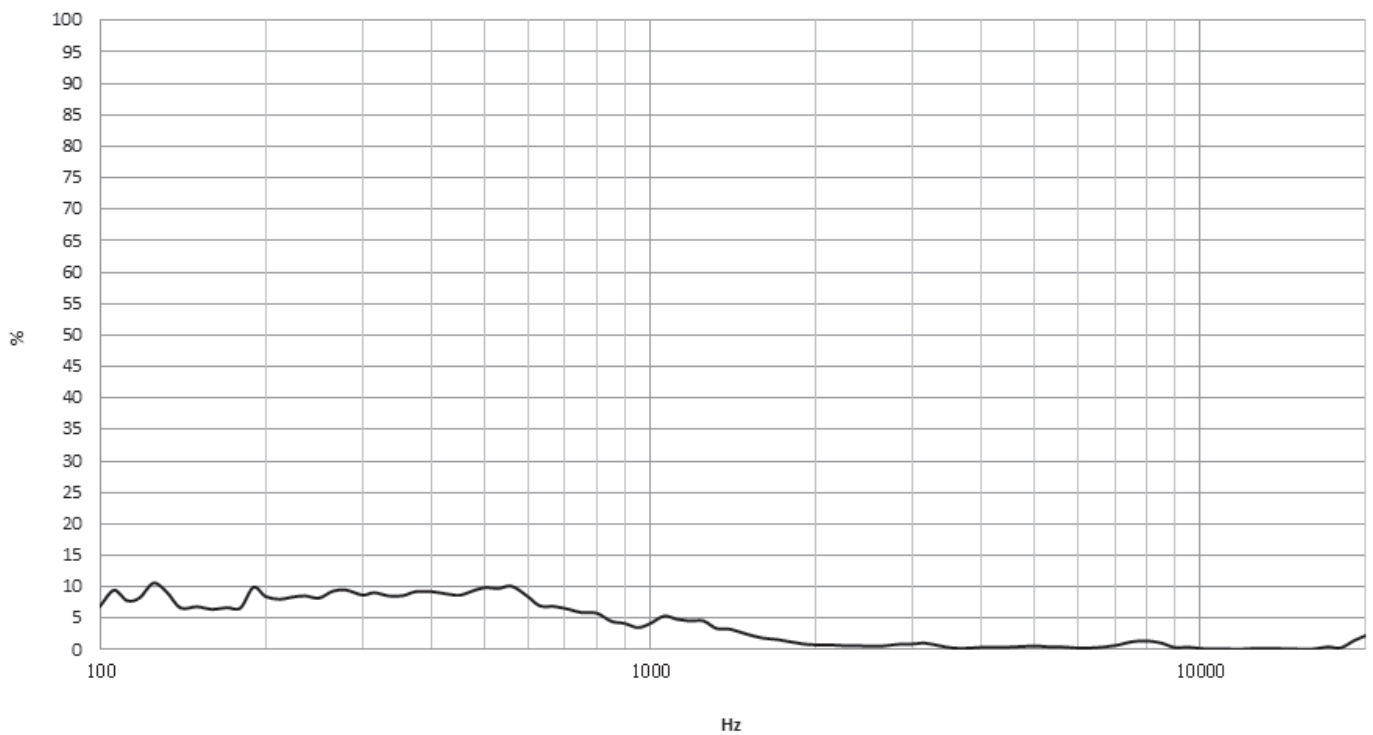
### Frequency Response Curve

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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