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Additional Resources: Product Page

MODEL: CMS-241538-18SP | DESCRIPTION: SPEAKER

FEATURES

- grill included
- 97 dB @ 0.1m
- solder pads



RoHS

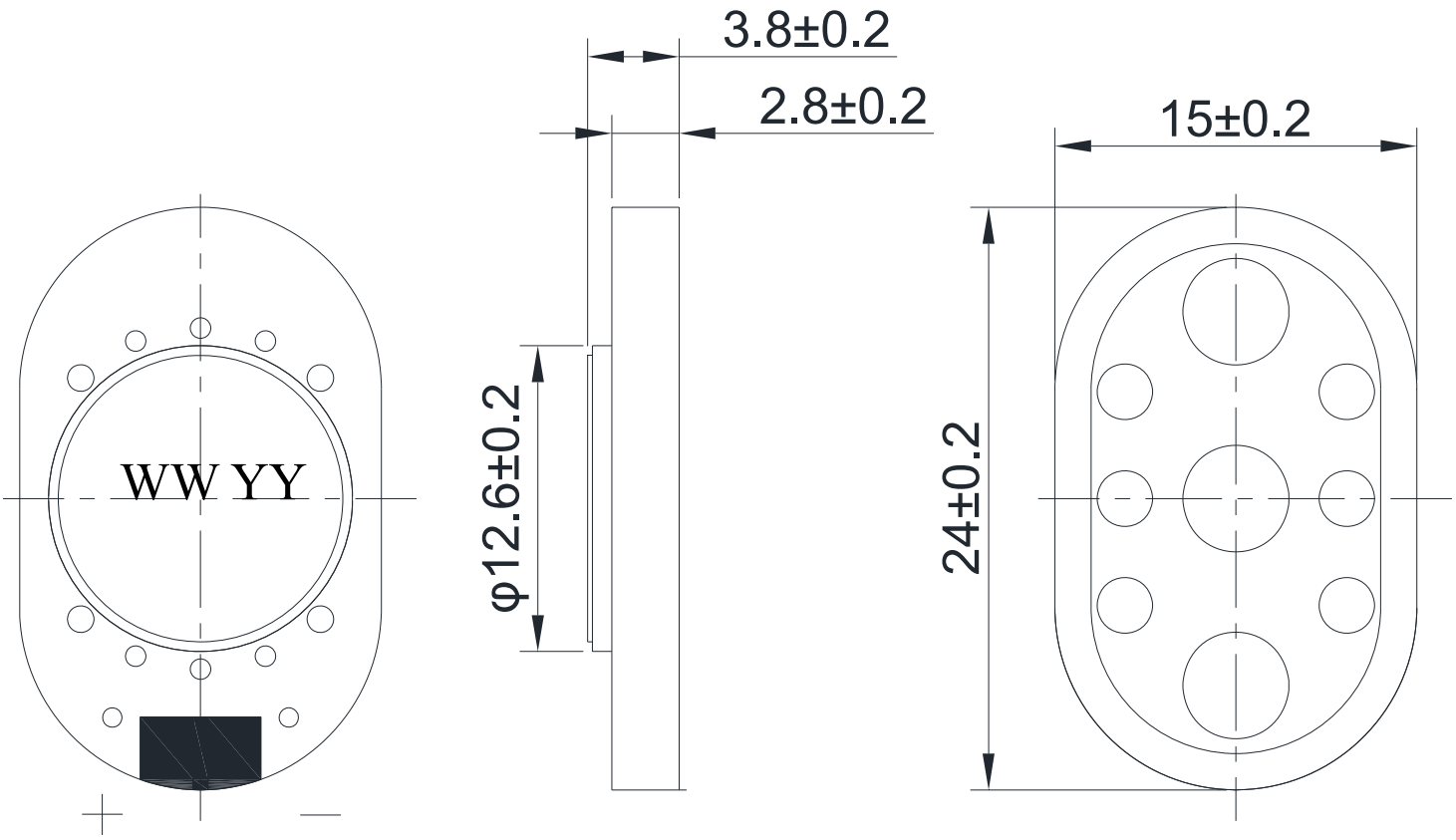
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles (room temp)		1.0	1.2	W
impedance	at 2.0 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	800	1,000	1,200	Hz
frequency response		Fo		10,000	Hz
sound pressure level	at 1.0 W, 10 cm, avg at 1.0, 1.2, 1.5, 2.0 kHz	94	97	100	dB
distortion	at 2.0 kHz			15	%
buzz, rattle, etc.	not audible at sine wave between Fo~10 kHz			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	24.0 x 15.0 x 3.8				mm
magnet	Nd-Fe-B				
frame material	ABS				
cone material	PET				
terminal	solder pads				
weight		1.62	1.8	1.98	g
operating temperature		-20		60	°C
storage temperature		-20		70	°C
hand soldering	for 3±1 seconds	360	370	380	°C
RoHS	yes				

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

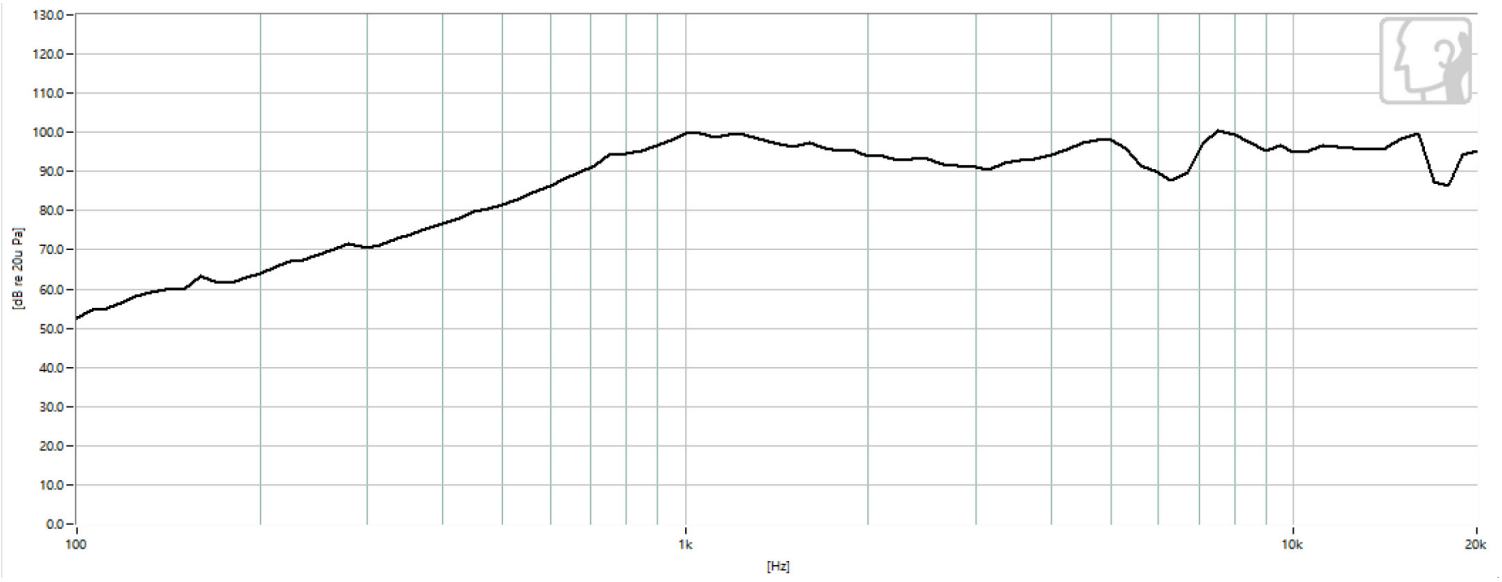
MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm

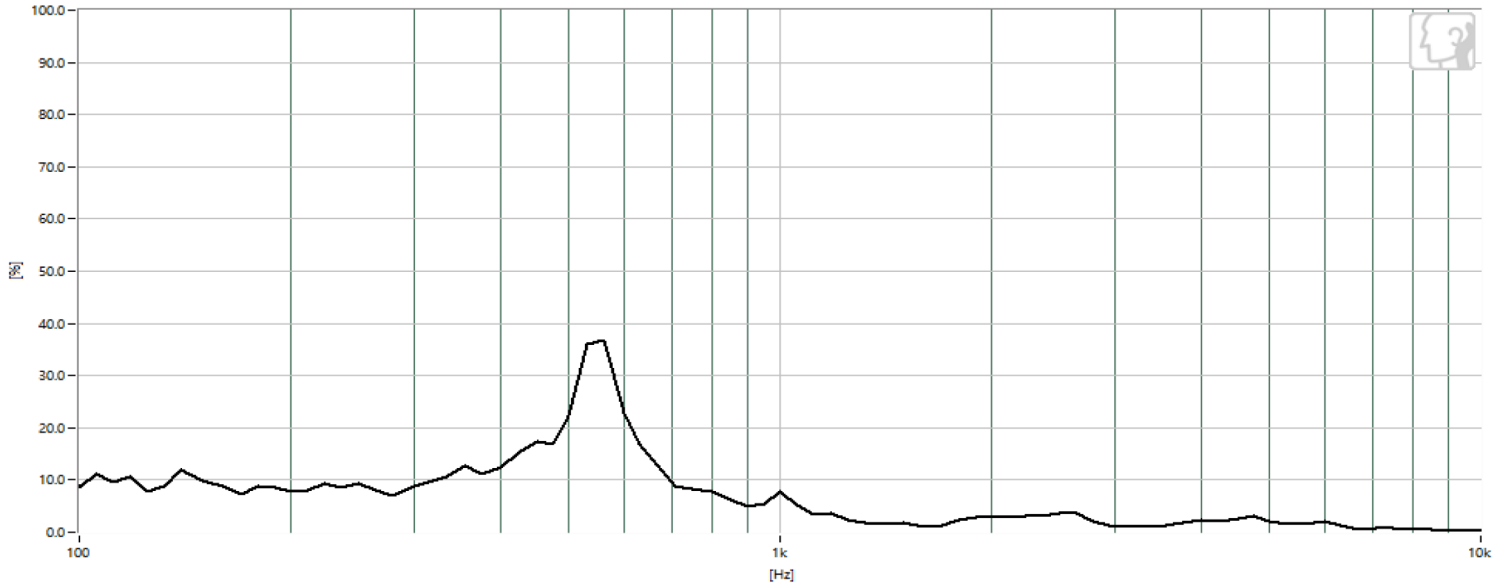


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	10.623
Electrical Q Factor	Qes	9.8729
Total Q Factor	Qts	5.1171
Compliance Equivalent Volume	Vas	0.0004

Notes: 2. Results represent typical performance in Free Air conditions.

REVISION HISTORY

rev.	description	date
1.0	initial release	06/11/2026

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

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