

**MODEL:** CMS-301103-154SP | **DESCRIPTION:** SPEAKER**FEATURES**

- low profile
- 1.5 W
- solder pads

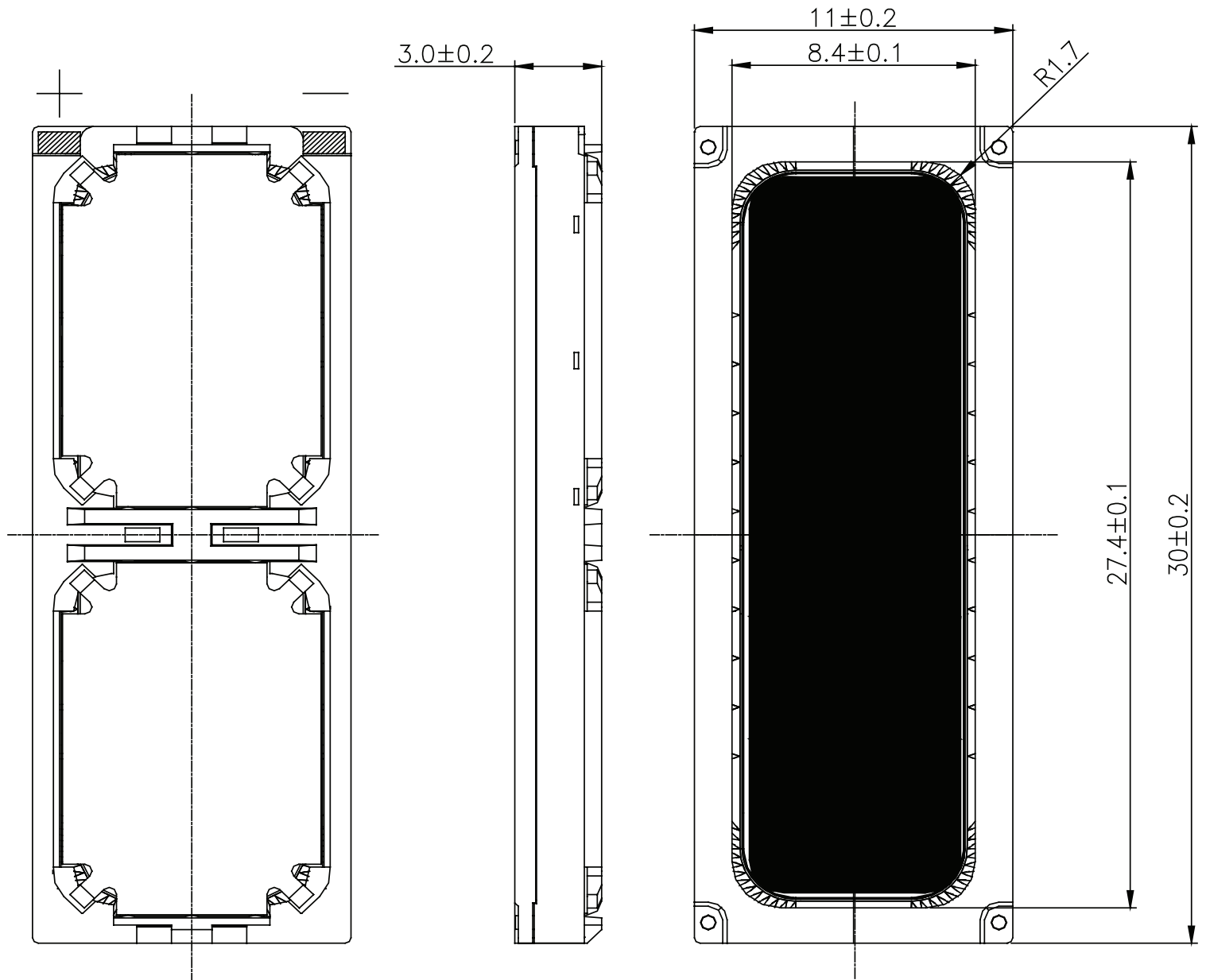
**SPECIFICATIONS**

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, 2.45 Vrms in 2 cc box	3.4	4	4.6	$\Omega$
resonant frequency (Fo)	at 2.45 Vrms in 2 cc box	680	850	1,020	Hz
frequency response		500		20,000	Hz
sound pressure level	at 1.5 W, 10 cm, 2.0 kHz in 2 cc box	92	95	98	dB
distortion	at 1.0 kHz, 1 W, 10 cm in 2 cc box			10	%
buzz, rattle, etc.	must be normal at sine wave between 200 Hz ~ 2 kHz			2.45	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	30 x 11 x 3				mm
magnet	Nd-Fe-B				
frame material	PPA				
cone material	PEEK (black)				
terminal	solder pads				
weight			3.1		g
operating temperature		-20		70	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
hand soldering	for 3-5 seconds	370	380	390	$^{\circ}\text{C}$
RoHS	yes				

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

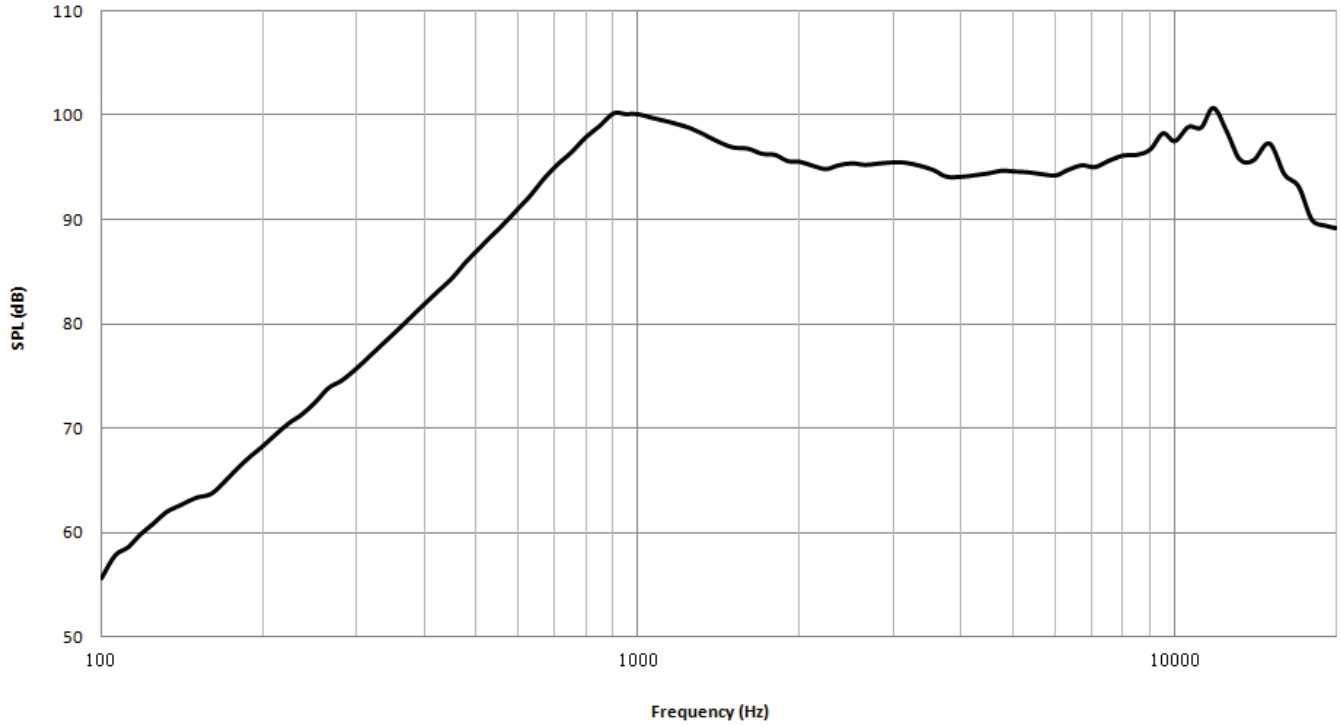
units: mm  
tolerance:  $\pm 0.2$  mm



## RESPONSE CURVES

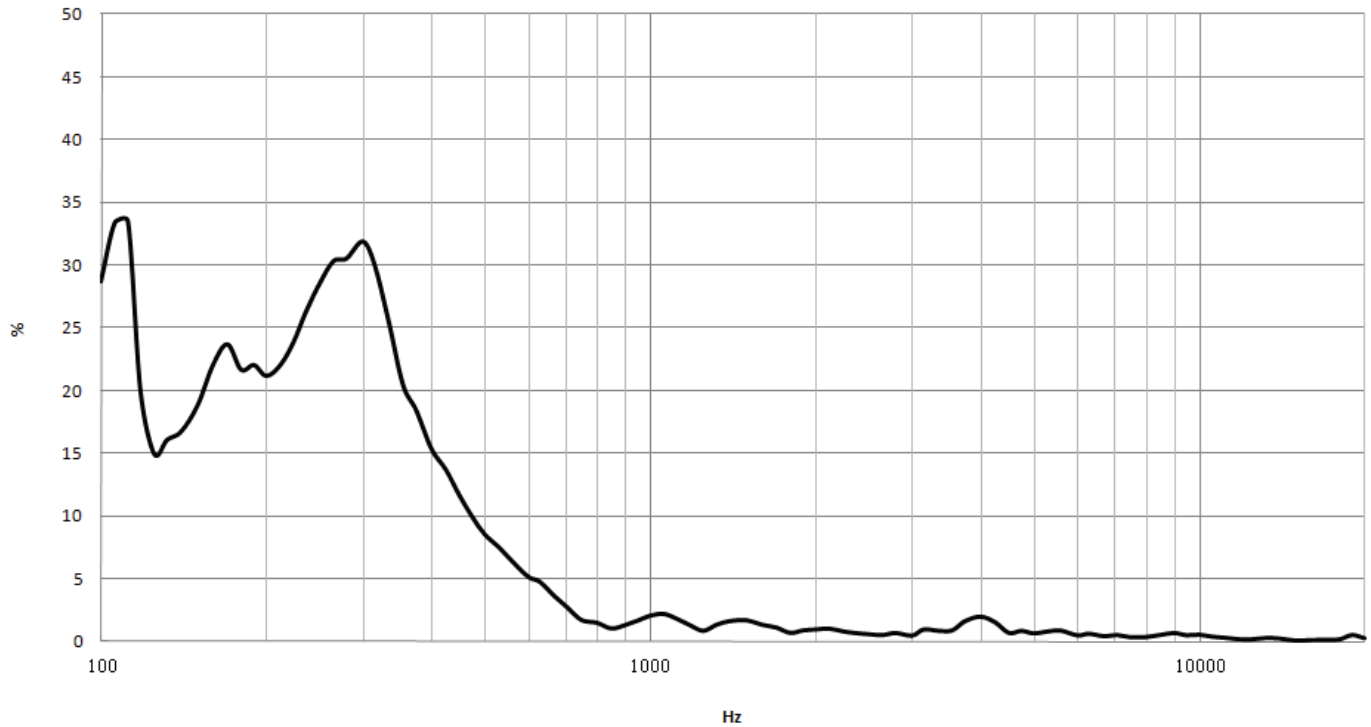
### Frequency Response Curve

Test Conditions: 1.0 W / 10 cm (in 2 cc box)



### Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm (in 2 cc box)



## REVISION HISTORY

rev.	description	date
1.0	initial release	12/07/2023

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



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