

**MODEL:** CMS-1849-24SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 4 ohm
- rated 2.0 W
- solder pads

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			2	2.5	W
impedance		3.4	4	4.6	$\Omega$
resonant frequency [Fo]		424	530	636	Hz
frequency response		350		16,000	Hz
sound pressure level	at 2.0 W, 50 cm, 710Hz~10KHz, for calculation of mean SPL ( 1/12 octave )	79.5	82.5	85.5	dB
distortion	at 2.0 W, 50 cm, 710 Hz ~ 20 kHz (with barrier)			10	%
buzz, rattle, etc.	must be normal at sine wave			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 18 \times 4.9$				mm
magnet	Nd-Fe-B				
frame material	PBT + 15% GF				
cone material	PU + PEI				
terminal	solder pads				
weight			3		g
operating temperature		-20		55	$^{\circ}\text{C}$
storage temperature		-25		60	$^{\circ}\text{C}$
hand soldering	for maximum 2 seconds	360		380	$^{\circ}\text{C}$
RoHS	yes				

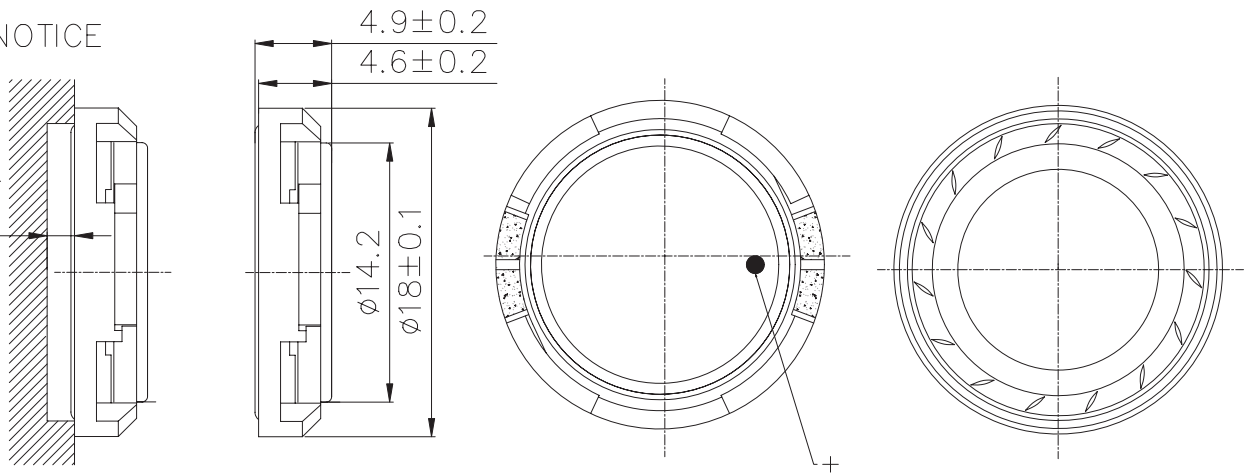
Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 25~75%, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

### MOUNTING NOTICE

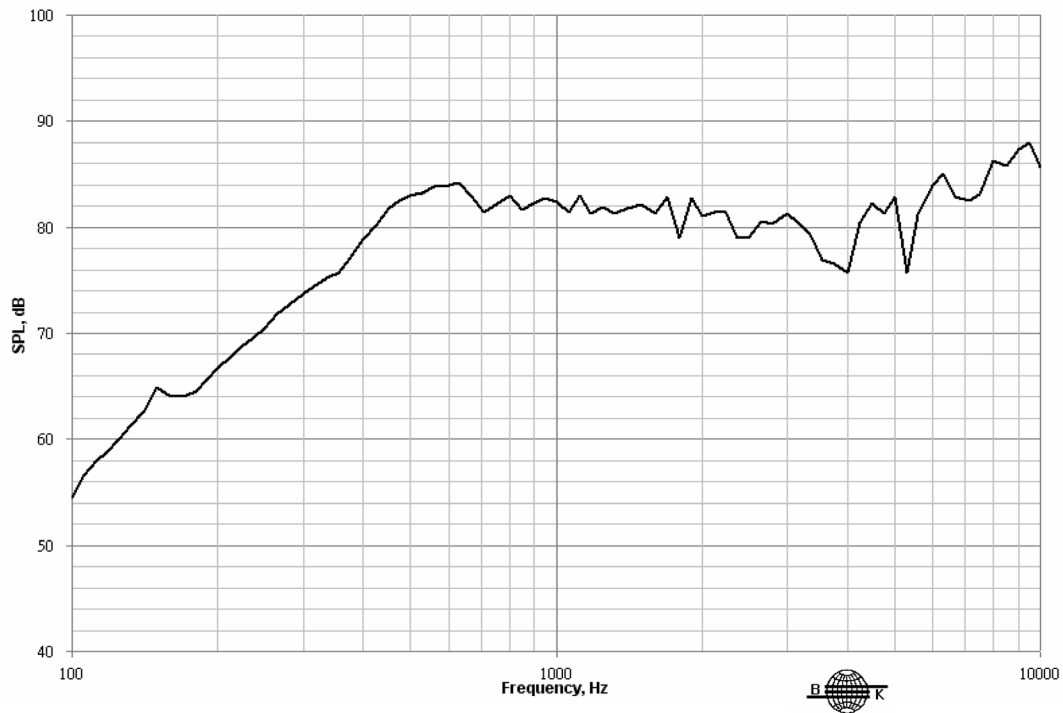
Leave  
at Least  
1.20 mm for  
diaphragm  
moving



## RESPONSE CURVES

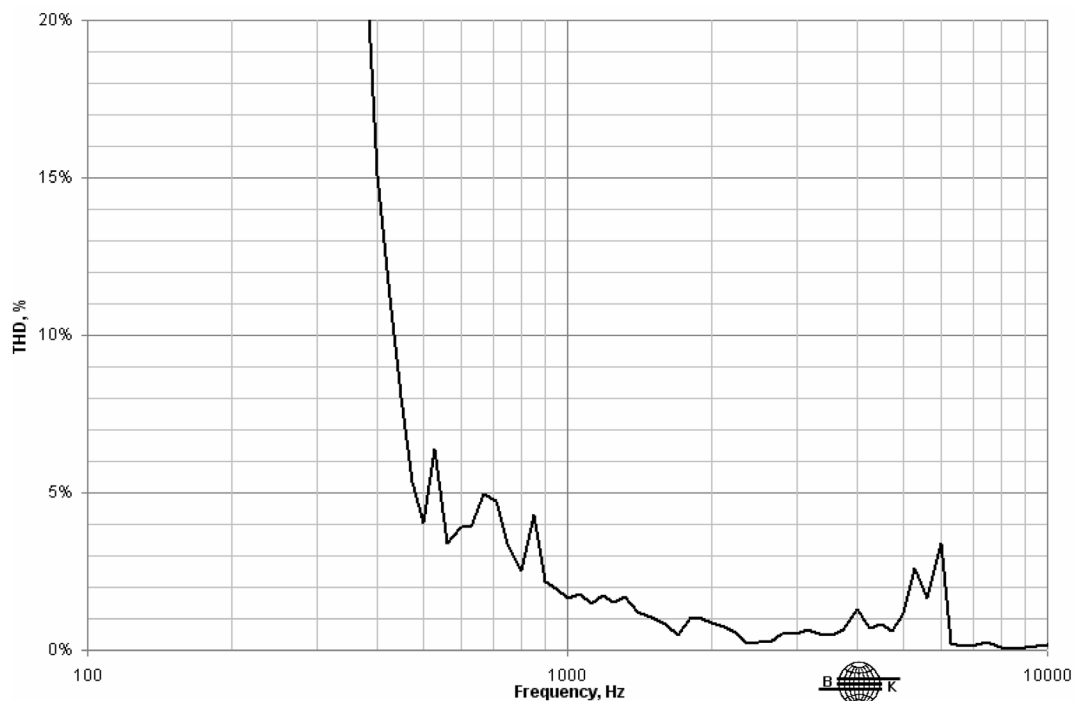
### Frequency Response Curve

Test Conditions: 2.83 V / 50 cm



### Total Harmonic Distortion Curve

Test Conditions: 2.83 V / 50 cm



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/27/23

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



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