

**MODEL:** CMS-4052-0550SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 50 ohm
- rated 0.5 W
- solder pads

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			0.5	1.0	W
impedance		42.5	50	57.5	$\Omega$
resonant frequency [Fo]		280	350	420	Hz
frequency response		Fo		3,600	Hz
sound pressure level	at 1.0 W, 50 cm, avg 0.8, 1.0, 1.2, 1.5 kHz	87	90	93	dB
distortion	at 1.0 kHz, 1.0 W, 50 cm			3	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			5.0	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 40 \times 5.2$				mm
magnet	Nd-Fe-B				
frame material	iron				
cone material	PEN				
terminal	solder pads				
weight			9.3		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				

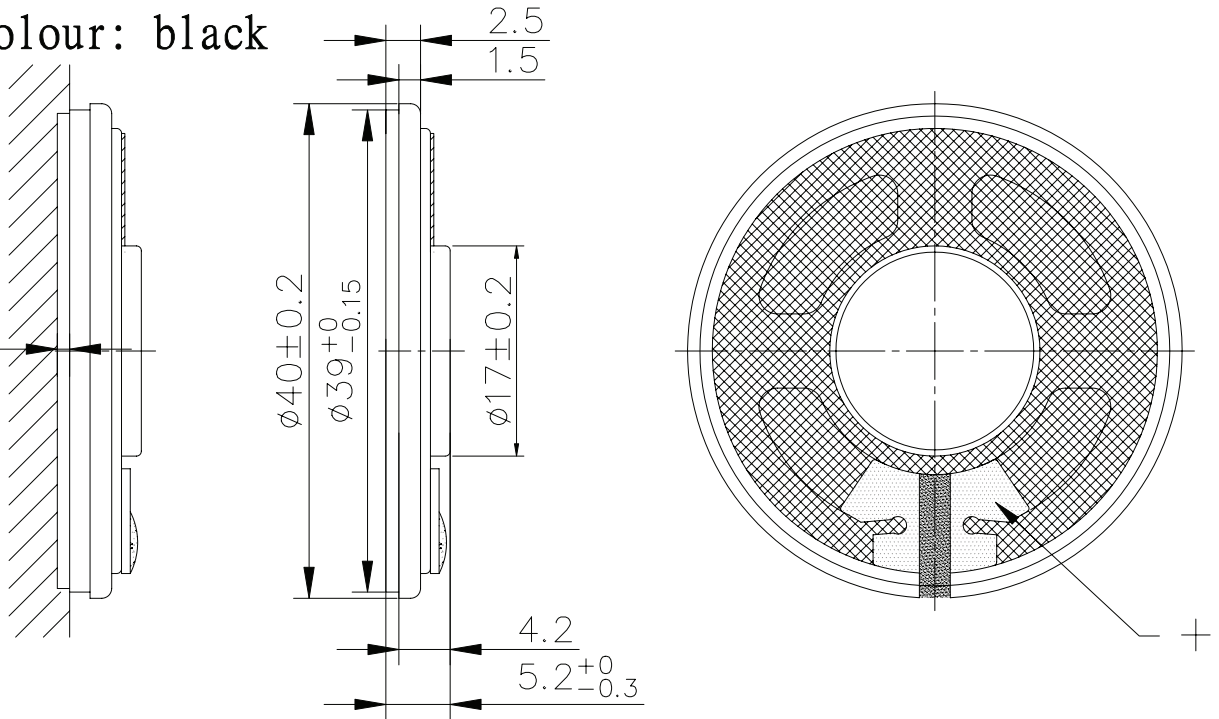
Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 25~75%, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

membrane colour: black

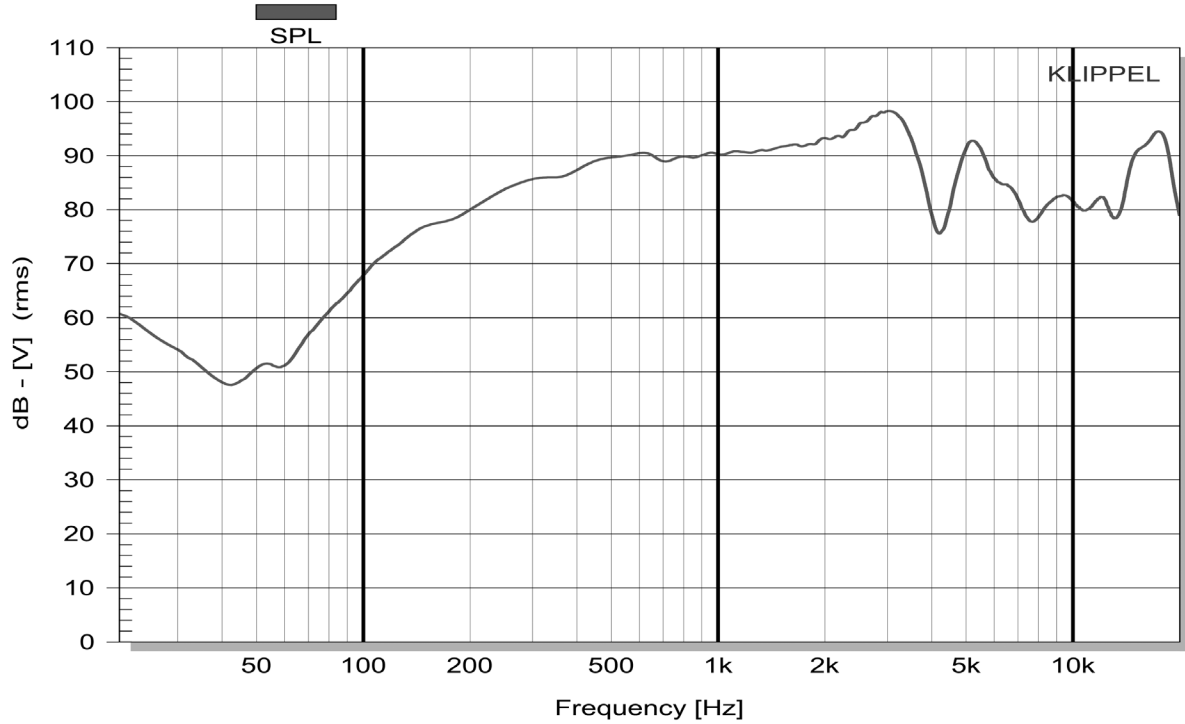
AT LEAST  
1.0mm  
FOR  
DIAPHRAGM  
MOVING



## RESPONSE CURVES

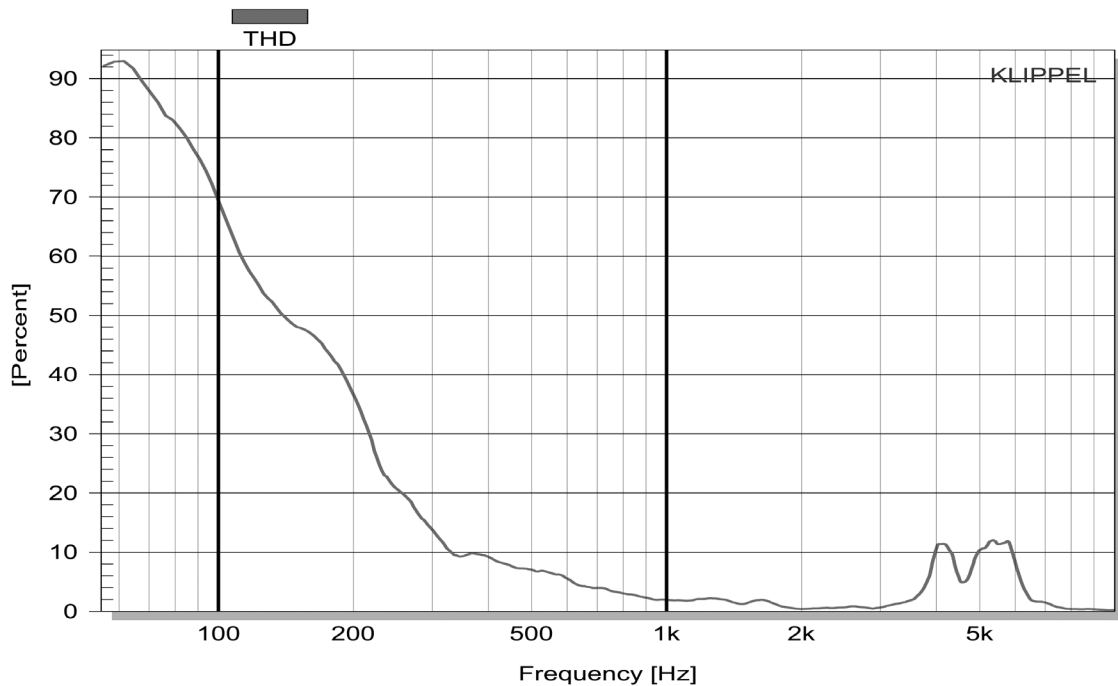
### Frequency Response Curve

Test Conditions: 7.07 V / 50 cm



### Total Harmonic Distortion Curve

Test Conditions: 7.07 V / 50 cm



## REVISION HISTORY

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

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



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