



MODEL:

CMS-4052-0550SP

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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:

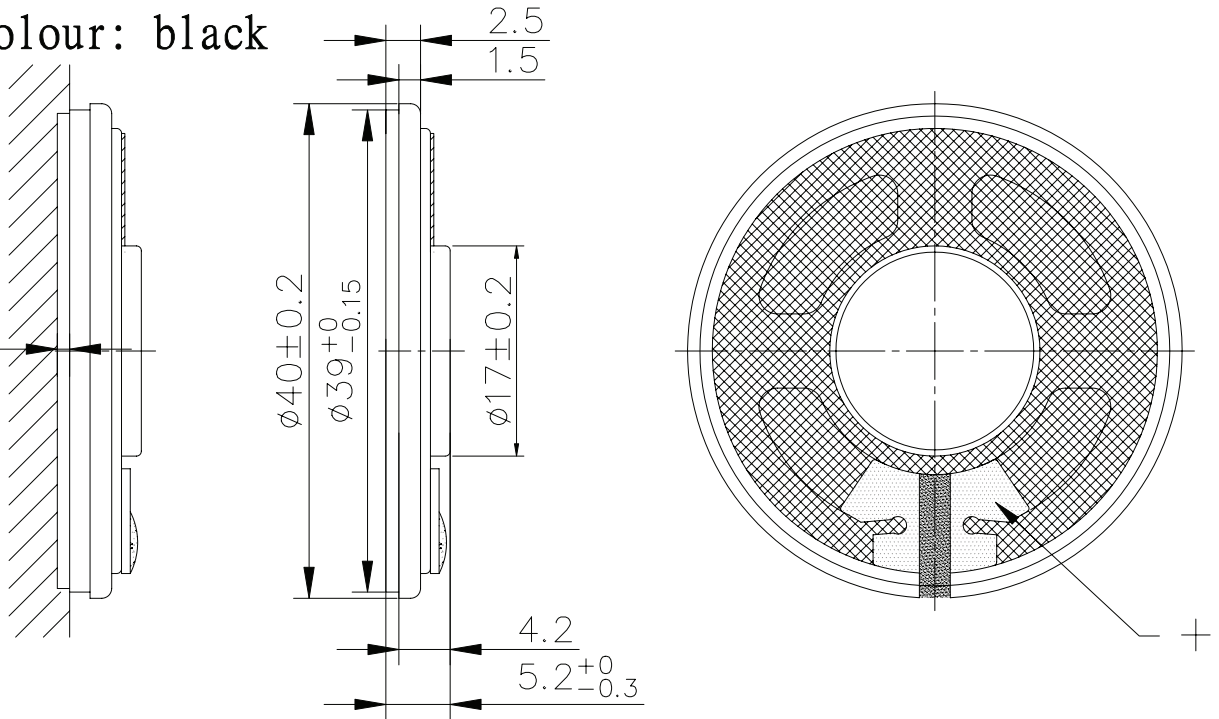
1. All specifications measured at 15~35°C, humidity at 25~75%, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

membrane colour: black

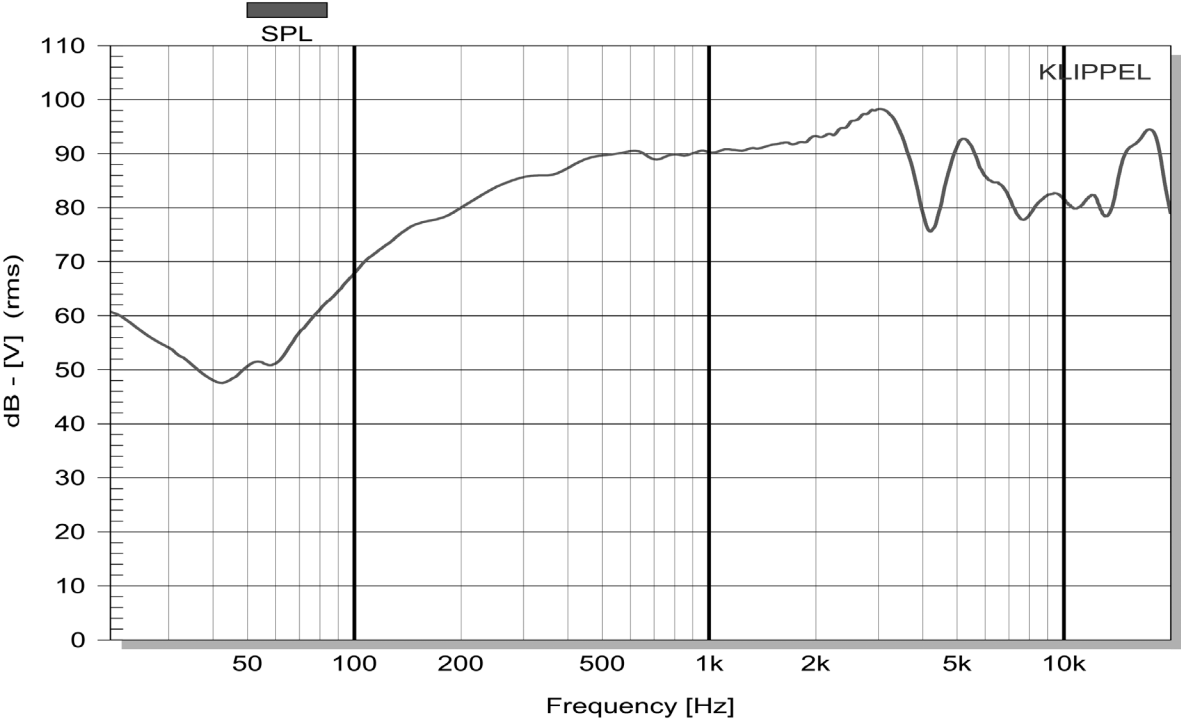
AT LEAST  
1.0mm  
FOR  
DIAPHRAGM  
MOVING



RESPONSE CURVES

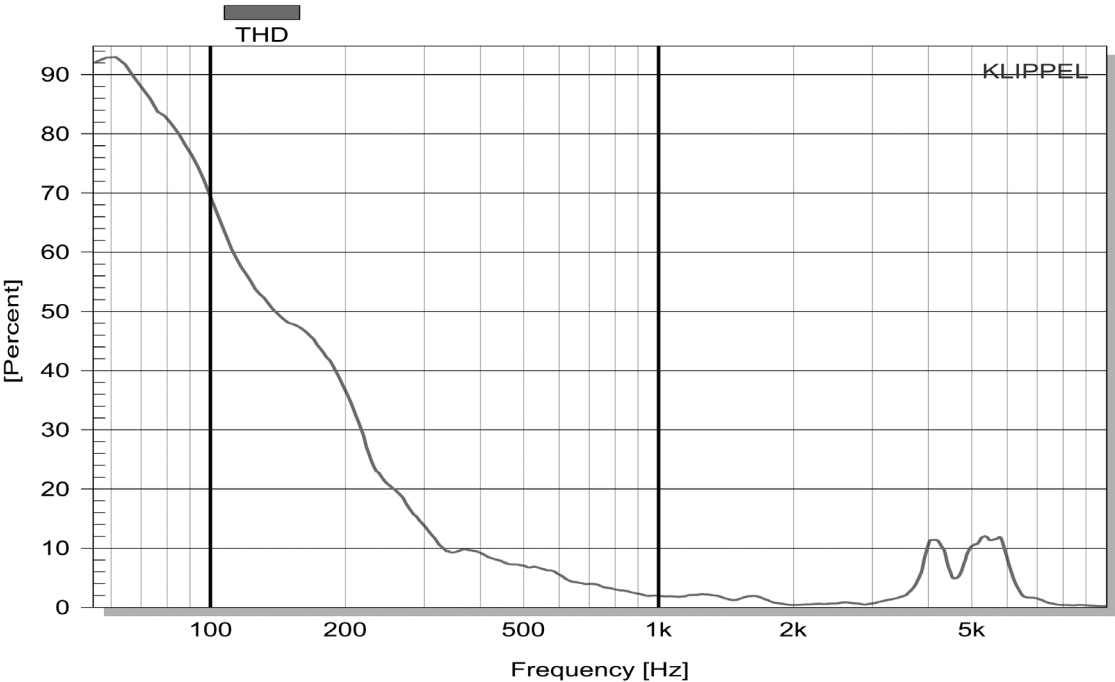
Frequency Response Curve

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
1.01	CUI Devices rebranded to Same Sky	09/11/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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