CUI Devices is now Same Sky! Learn More

MODEL: CMS-2207-18SP | DESCRIPTION: SPEAKER

FEATURES

- 8 ohm
- rated 1.0 W
- solder pads

RoHS

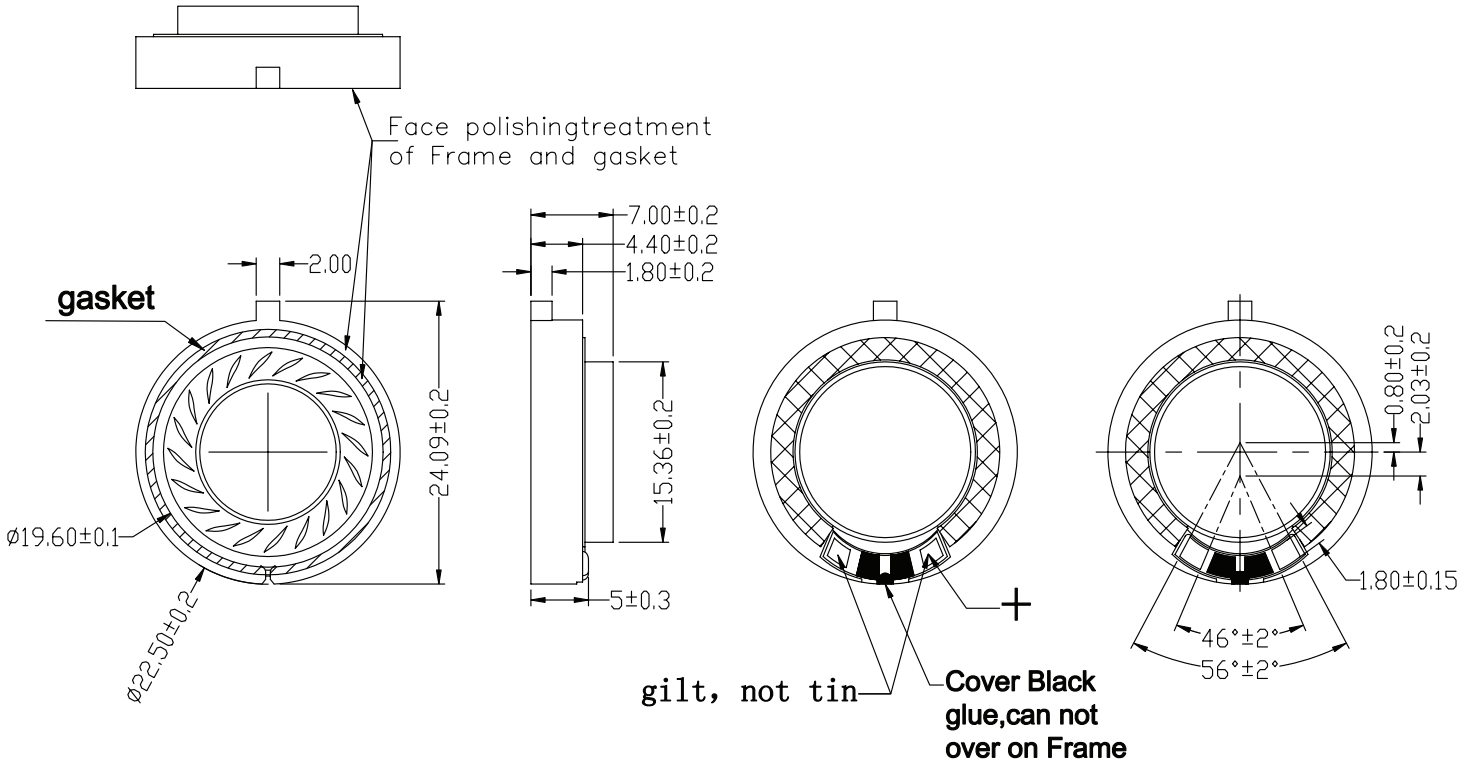
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power			1.0	1.5	W
impedance	at 2.5 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)		528	660	792	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.0 W, 10 cm, avg 0.8, 1.0, 1.2, 1.5 kHz	94	97	100	dB
distortion	at 1.0 W, 10 cm, 660~1,000 Hz at 1.0 W, 10 cm, 1.0~6.0 kHz			15 10	% %
buzz, rattle, etc.	must be normal at sine wave, frequency range			2.83	V
polarity	cone moves forward w/ positive dc current to “+” terminal				
dimensions	Ø22.5 x 7				mm
magnet	Nd-Fe-B				
frame material	PBT + 15% GF				
cone material	PEN				
terminal	solder pads				
weight			5.5		g
operating temperature		-20		55	°C
storage temperature		-25		60	°C
hand soldering	for maximum 2 seconds	360		380	°C
RoHS	yes				

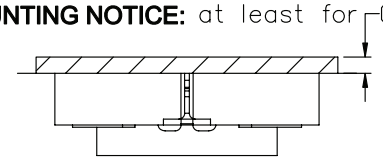
Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm



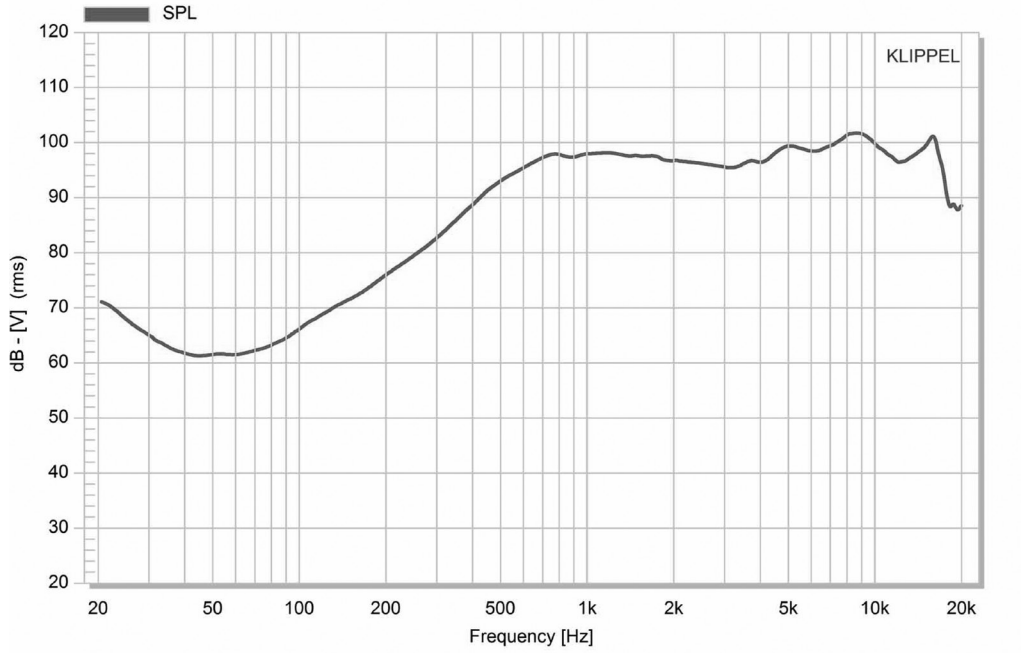
MOUNTING NOTICE: at least for 0.2mm diaphragm moving



RESPONSE CURVES

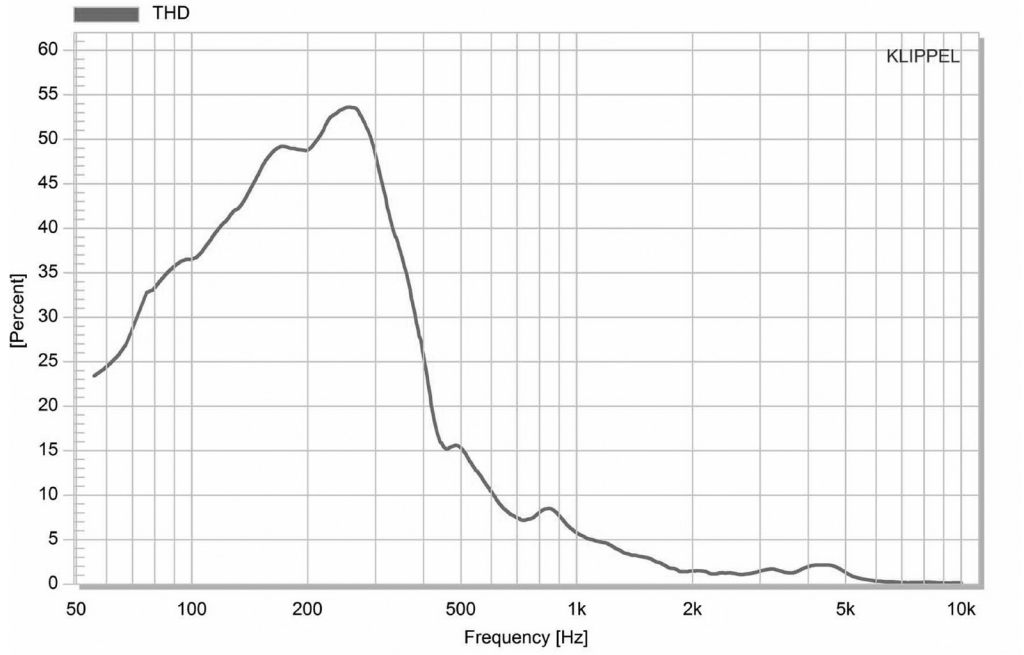
Frequency Response Curve

Test Conditions: 1.0 W / 100 cm



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 100 cm



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.791
Electrical Q Factor	Qes	4.406
Total Q Factor	Qts	1.709
Compliance Equivalent Volume	Vas	0.0018

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

REVISION HISTORY

rev.	description	date
1.0	initial release	07/11/2023
1.01	CUI Devices rebranded to Same Sky	09/11/2024
1.02	added Thiele-Small Parameters	01/30/2025

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

same sky

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