same sky

Additional Resources: Product Page

MODEL: CDSM-4627-104 | DESCRIPTION: SPEAKER

FEATURES

- compatible with IEC 60601 applications
- cloth & paper cone
- 104 dB @ 10 W/0.1 m

RoHS

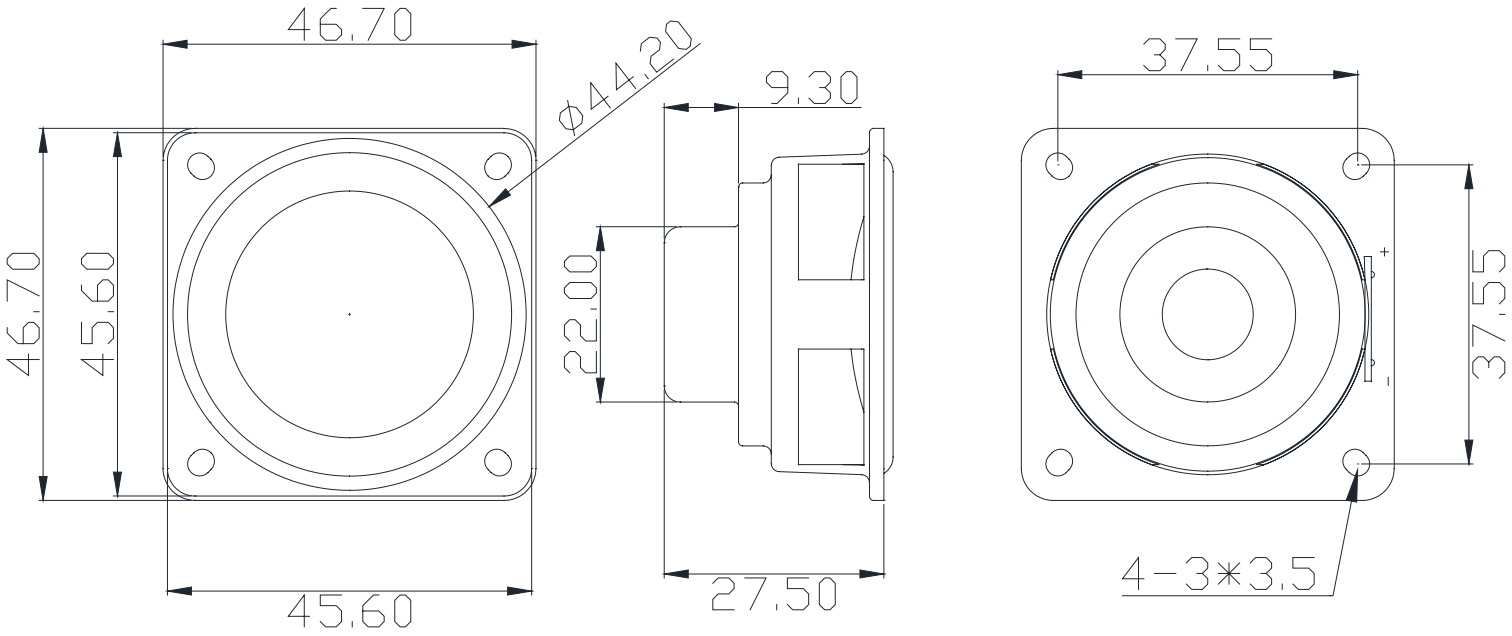
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 s on/120 s off, 10 cycles at room temp		10	12	W
impedance	at 1.0 kHz	3.4	4	4.6	Ω
resonant frequency (Fo)	at 1.0 V	144	180	216	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 10.0 W, 0.1 m, avg at 0.8, 1.0, 1.2, 1.5 kHz	101	104	107	dB
distortion	at 500 Hz~10 kHz, rated power			5	%
buzz, rattle, etc.	must be normal at sine wave, frequency range 50 Hz~2 kHz			6.32	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	46.7 x 46.7 x 27.5				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PU+paper				
terminal	solder eyelets				
weight			38		g
operating temperature		-20		60	°C
storage temperature		-30		70	°C
hand soldering	for maximum 3 seconds	370	380	390	°C
RoHS	yes				

Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

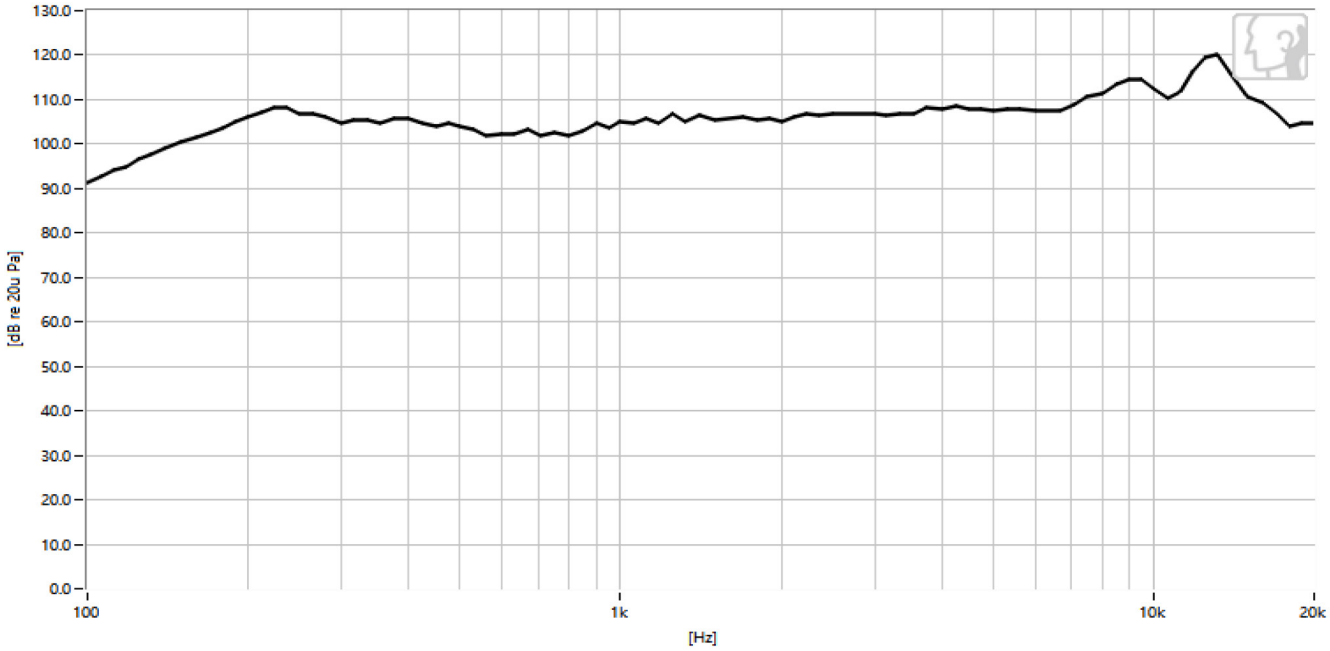
units: mm
tolerance: ±0.5 mm



RESPONSE CURVES

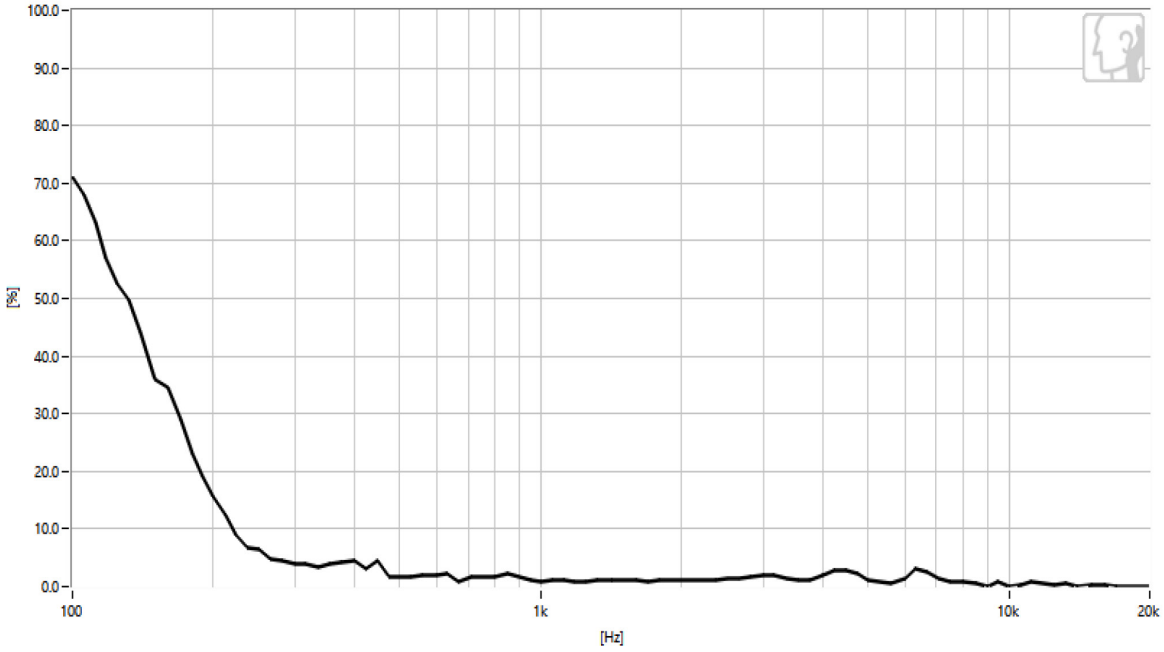
Frequency Response Curve

Test Conditions: 10.0 W / 0.1 m



Total Harmonic Distortion Curve

Test Conditions: 10.0 W / 0.1 m



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	5.277
Electrical Q Factor	Qes	1.214
Total Q Factor	Qts	0.987
Compliance Equivalent Volume	Vas	0.0782

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

REVISION HISTORY

rev.	description	date
1.0	initial release	01/03/2024
1.01	CUI Devices rebranded to Same Sky	09/11/2024
1.02	added Thiele-Small Parameters	02/04/2025

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