MODEL: CDS-5026-54E | DESCRIPTION: SPEAKER

FEATURES

- 4 ohm
- 5.0 W
- solder eyelets

RoHS

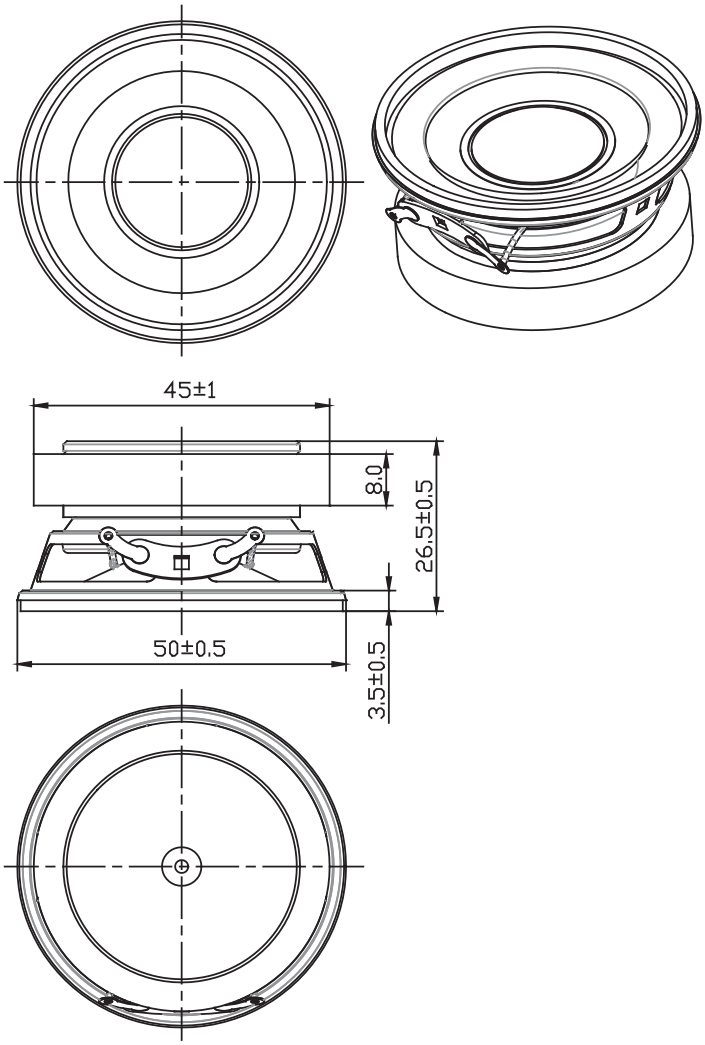
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		5.0	6.0	W
impedance	at 1 kHz, 2 V	3.4	4	4.6	Ω
resonant frequency (Fo)	at 2 V	160	200	240	Hz
frequency response		Fo		15,000	Hz
sound pressure level	at 1.0 W, 1.0 m, avg at 2~4 kHz at 5.0 W, 1.0 m, avg at 2~4 kHz	83 90	86 93	89 96	dB dB
distortion	at 1.0 kHz, 1.0 W, 1 m			5	%
buzz, rattle, etc.	must be normal at sine wave, Fo~15 kHz			4.47	V
polarity	cone moves forward w/ positive dc current to “+” terminal				
dimensions	Ø50 x 26.5				mm
magnet	ferrite				
frame material	SPCC				
cone material	foam + paper				
terminal	solder eyelets				
weight			86		g
operating temperature		-20		60	°C
storage temperature		-25		60	°C
hand soldering	for 3-5 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

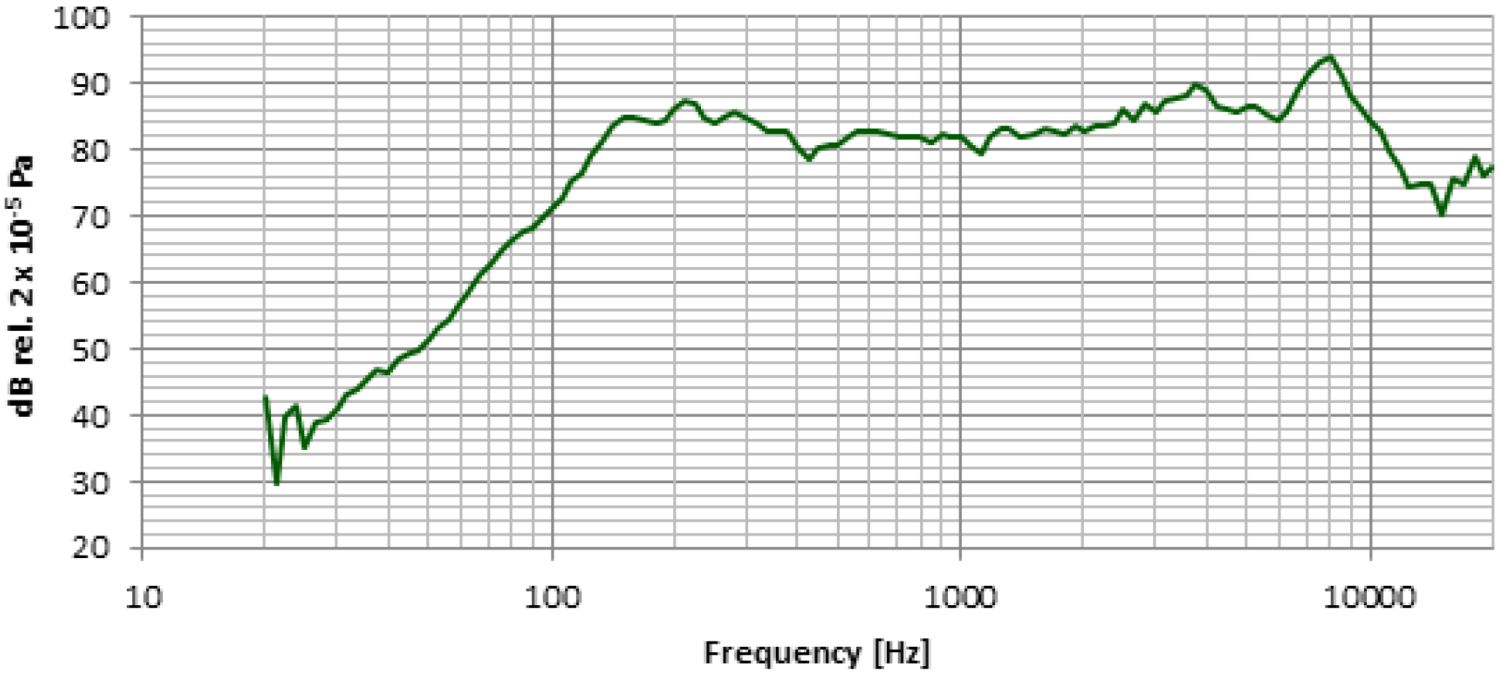
units: mm
tolerance: ±0.5 mm



RESPONSE CURVES

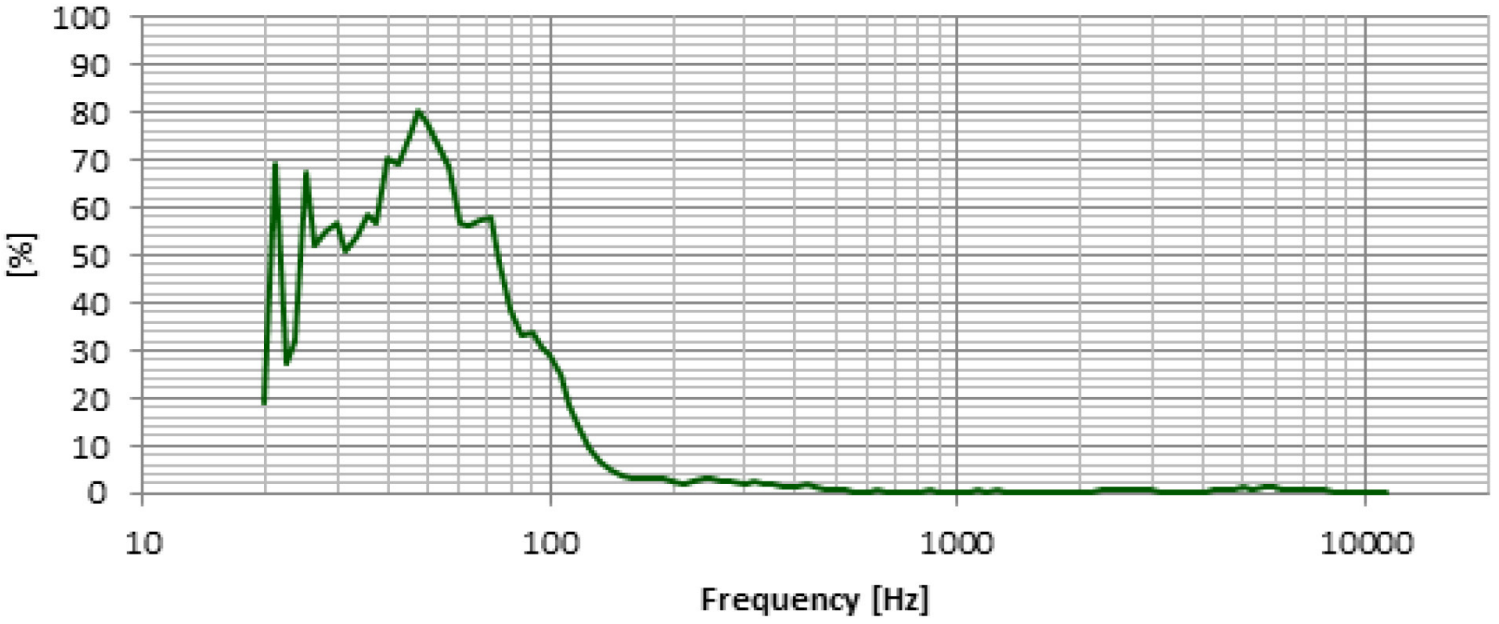
Frequency Response Curve

Test Conditions: 1.0 W / 1 m



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 1 m



REVISION HISTORY

rev.	description	date
1.0	initial release	12/07/2023
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.