MODEL: CMS-3495-0550S | DESCRIPTION: SPEAKER

FEATURES

- tension spring contact
- 50 Ω impedance
- rated 0.5 W

RoHS

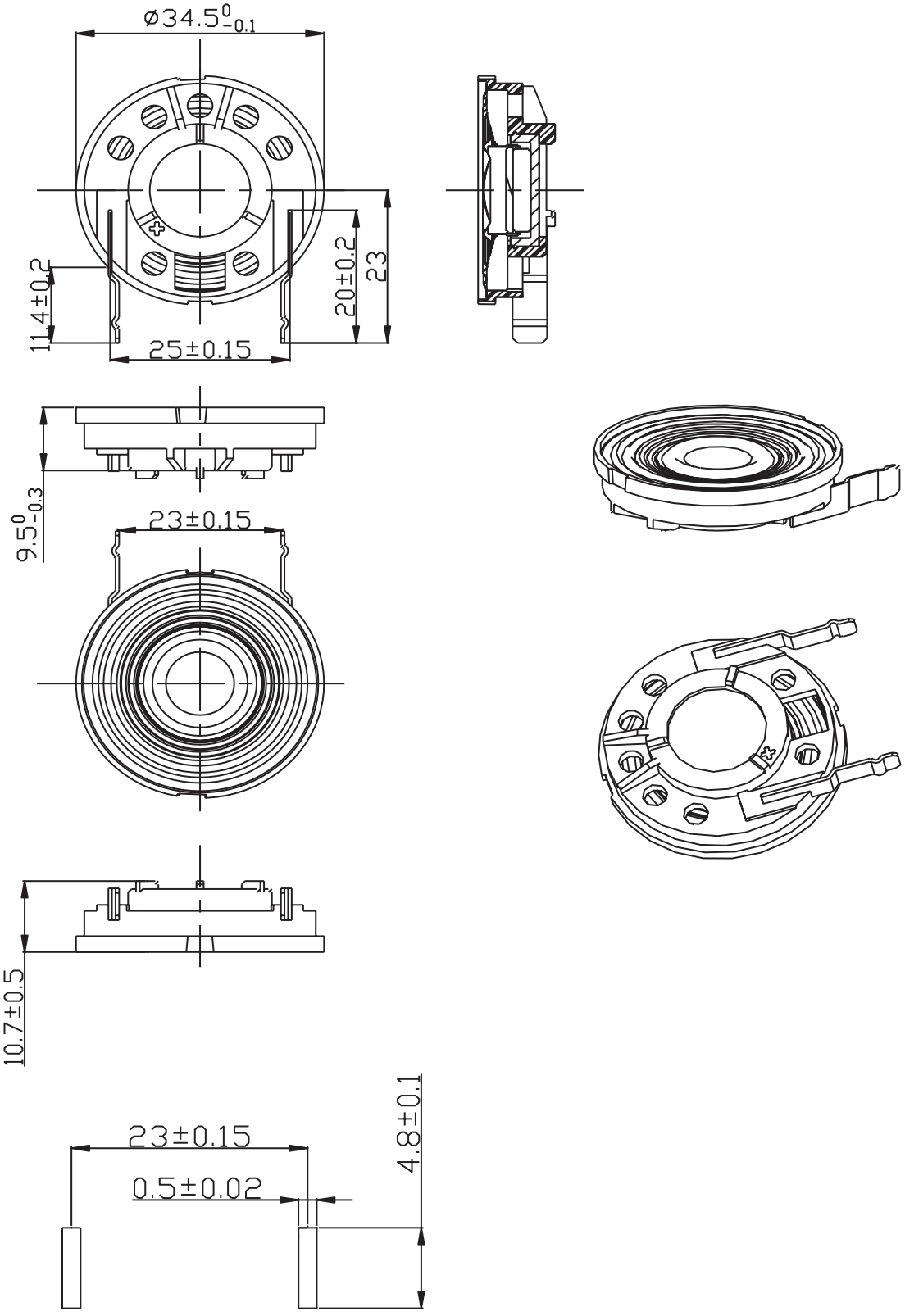
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 60 seconds on, 120 seconds off, 10 cycles		0.5	1.0	W
impedance	at 2.0 kHz, 1.0 V	42.5	50	57.5	Ω
resonant frequency (Fo)	at 1.0 V		600		Hz
frequency response		450		4,000	Hz
sound pressure level	at 0.5 W, 50 cm, avg at 0.6, 0.8, 1.0 kHz	84			dB
distortion	at 0.6 kHz, 0.1 W at 0.6 kHz, 0.5 W			5 10	% %
buzz, rattle, etc.	must be normal at sine wave, between 450 - 4 kHz			5.0	V
polarity	cone moves forward w/ positive dc current to “+” terminal				
dimensions	Ø34.5 x 10.7				mm
magnet	Nd-Fe-B				
frame material	PBT				
cone material	PEN				
terminal	spring terminals				
weight			10.2		g
operating temperature		-20		60	°C
storage temperature		-20		70	°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
unless otherwise specified

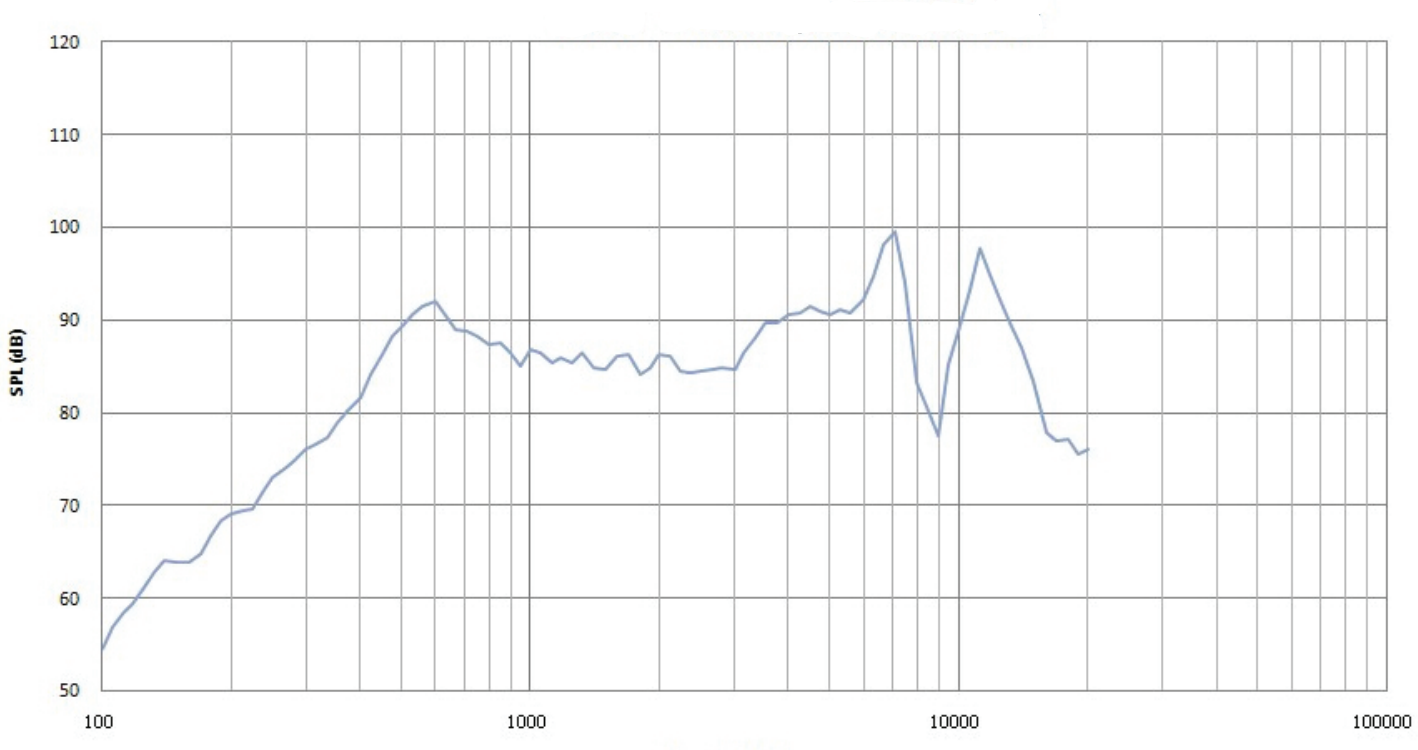


Recommended PCB Layout
Top View

RESPONSE CURVES

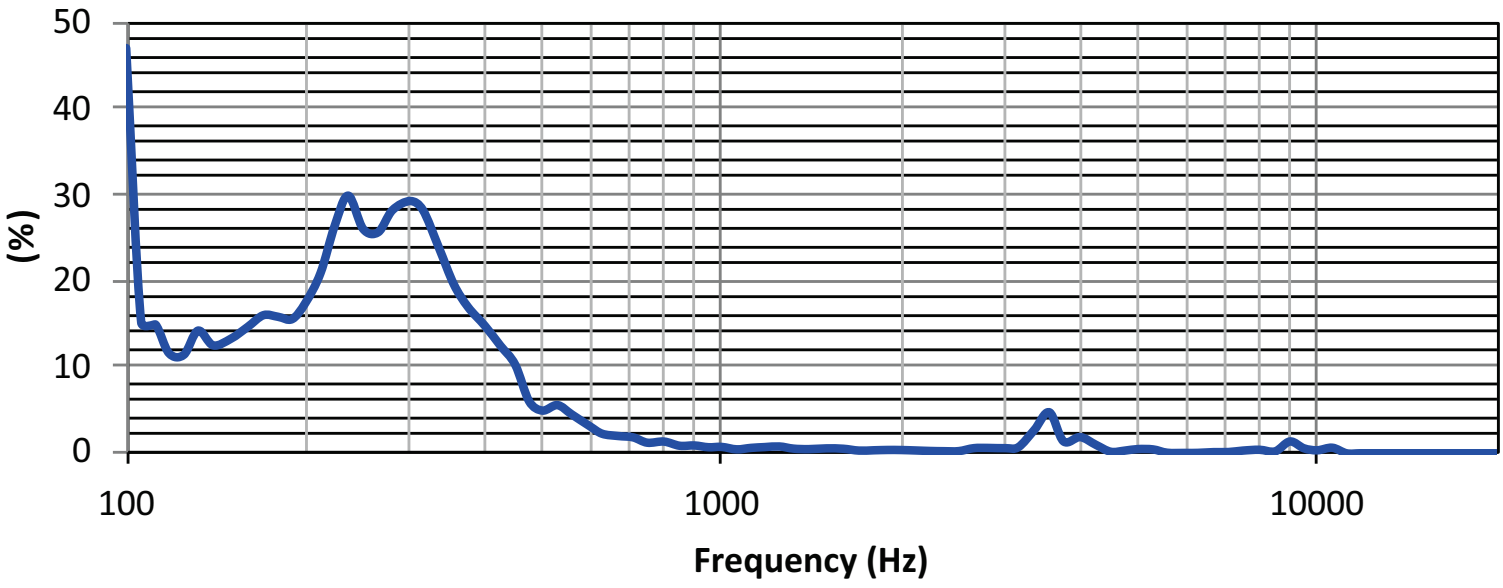
Frequency Response Curve

Test Conditions: 0.5 W / 50 cm



Total Harmonic Distortion Curve

Test Conditions: 0.5 W / 50 cm



REVISION HISTORY

rev.	description	date
1.0	initial release	04/05/2024

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

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

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