MODEL: CDS-5076-1SP | DESCRIPTION: SPEAKER

FEATURES

- low profile
- 1.0 W
- solder pads



RoHS

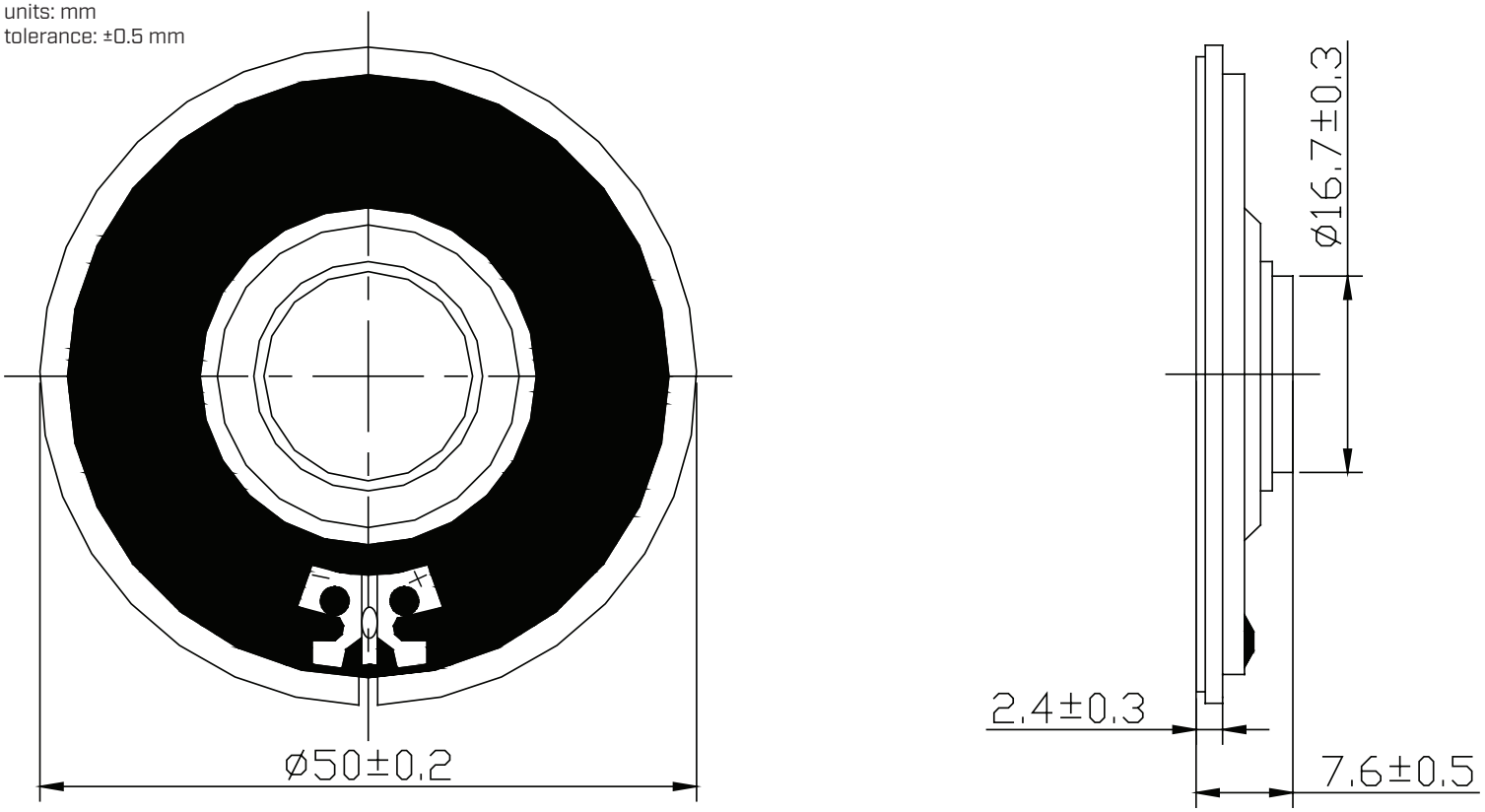
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		1.0	1.5	W
impedance	at 2.0 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	280	350	420	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.1 W, 10 cm, avg at 0.6, 0.8, 1.0, 1.2 kHz at 1.0 W, 10 cm, avg at 0.6, 0.8, 1.0, 1.2 kHz	89 99	92 102	95 105	dB dB
distortion	at 1.0 kHz, 1.0 W			5	%
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	Ø50 x 7.6				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PET				
terminal	solder pads				
weight			13.2		g
operating temperature		-30		60	°C
storage temperature		-30		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

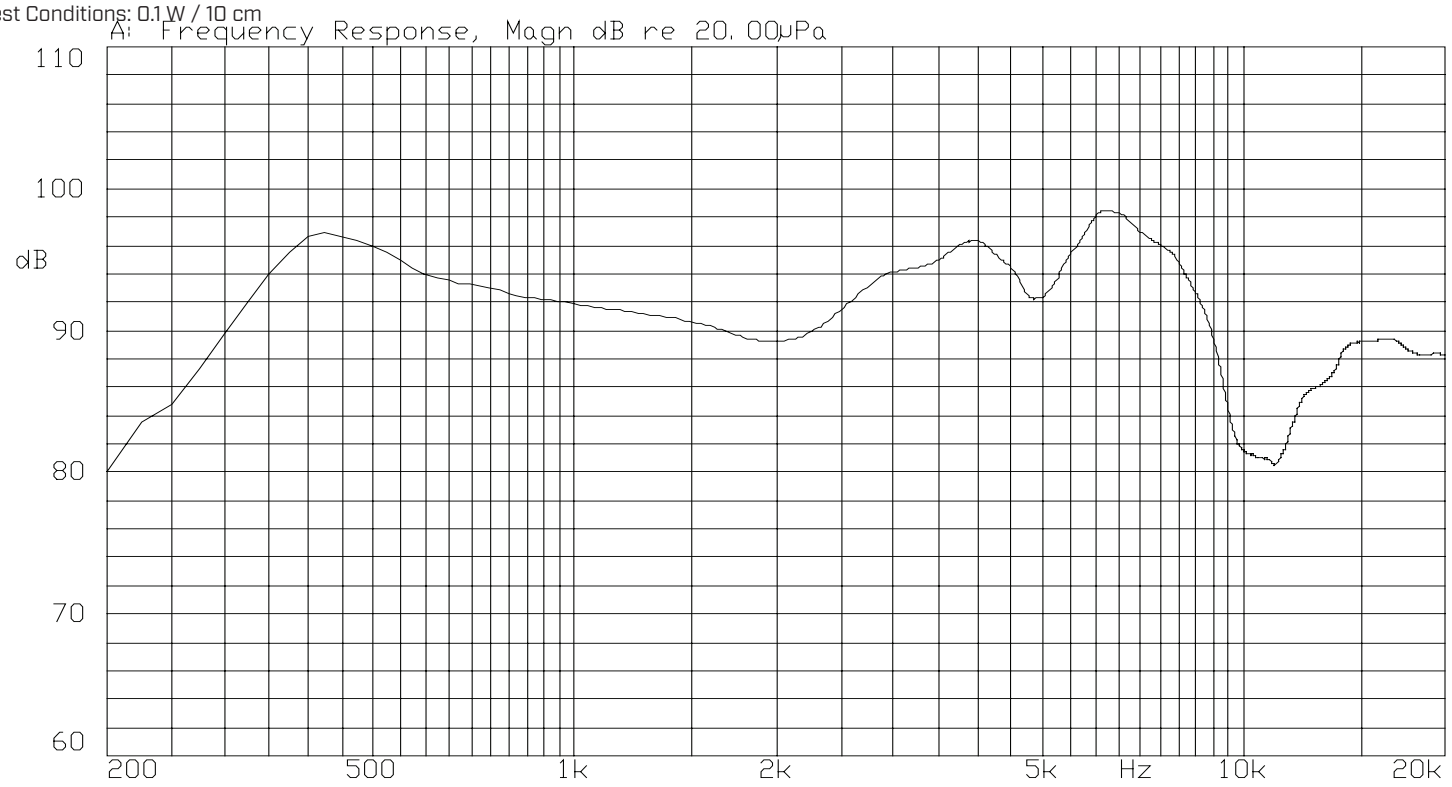
units: mm
tolerance: ±0.5 mm



RESPONSE CURVES

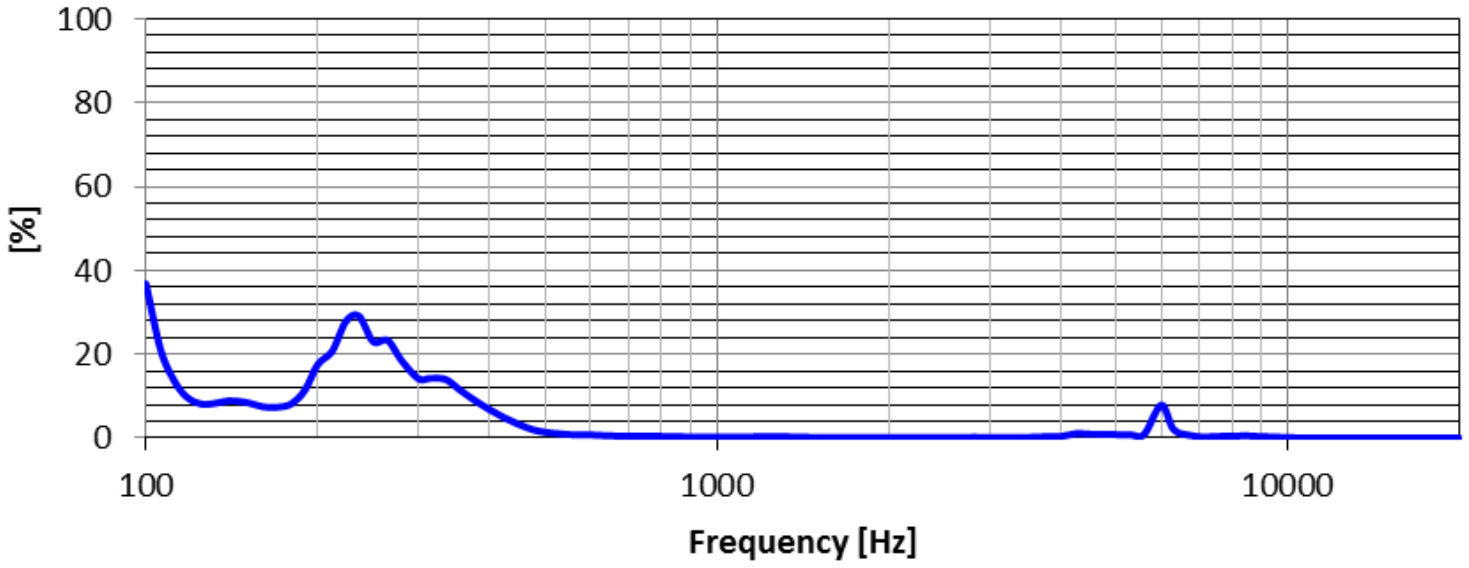
Frequency Response Curve

Test Conditions: 0.1 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 0.1 W / 10 cm



REVISION HISTORY

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

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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