CUDEVICES

MODEL: CMS-3646-18S | **DESCRIPTION:** SPEAKER

FEATURES

- coiled spring contact
- low profile
- 8 Ω impedance
- rated 1.0 W



RoHS

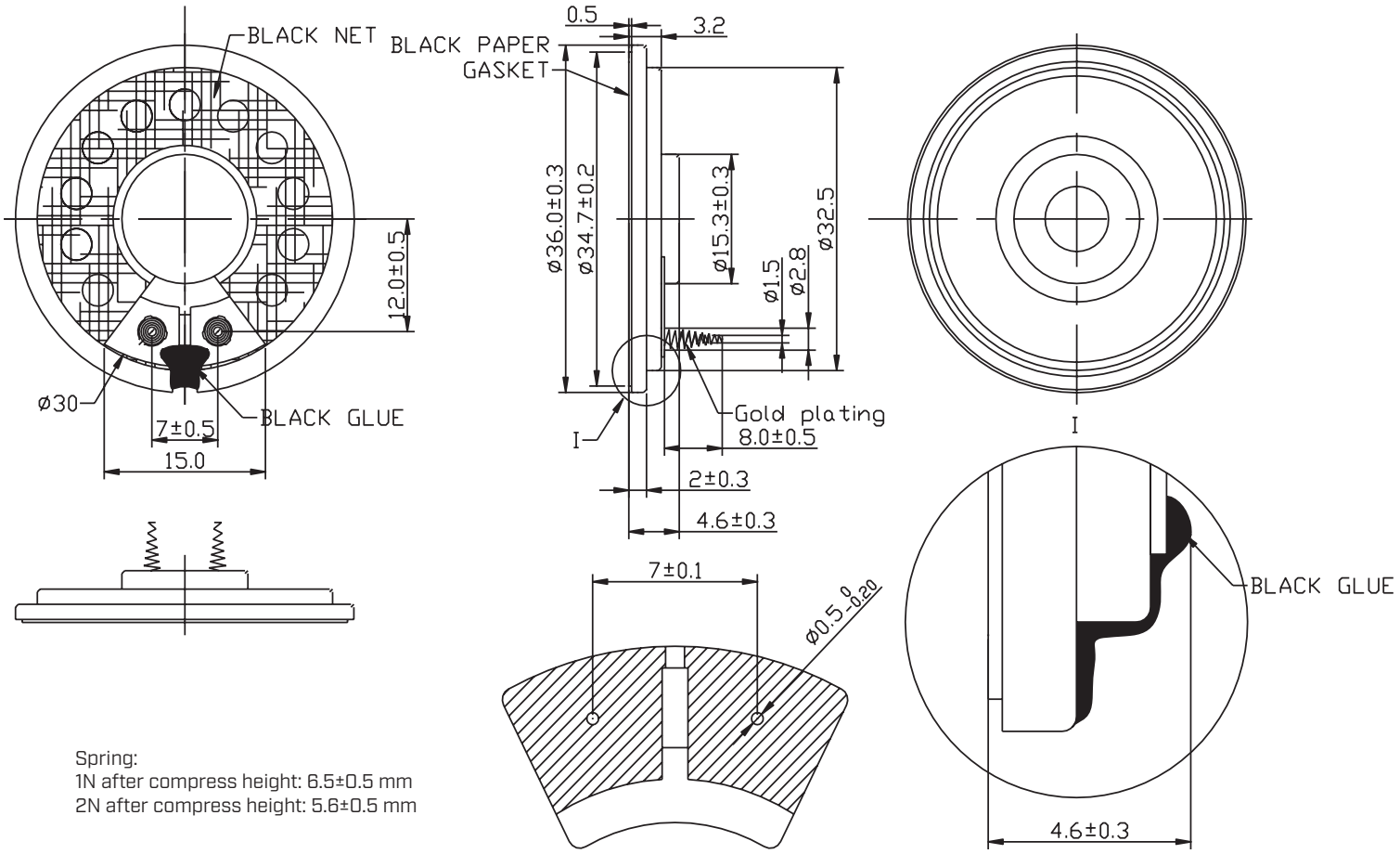
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 60 seconds on, 120 seconds off, 10 cycles		1.0	1.5	W
impedance	at 2.0 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	400	500	600	Hz
frequency response		Fo		4,500	Hz
sound pressure level	at 0.1 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz at 1.0 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	88 98	91 101	94 104	dB dB
distortion	at 1.0 kHz, 1.0 W			5	%
buzz, rattle, etc.	must be normal at sine wave, between Fo - 4.5 kHz			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	Ø36 x 4.6				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PET				
terminal	spring terminals				
weight			12		g
operating temperature		-30		60	°C
storage temperature		-30		60	°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: ±0.3 mm
unless otherwise specified

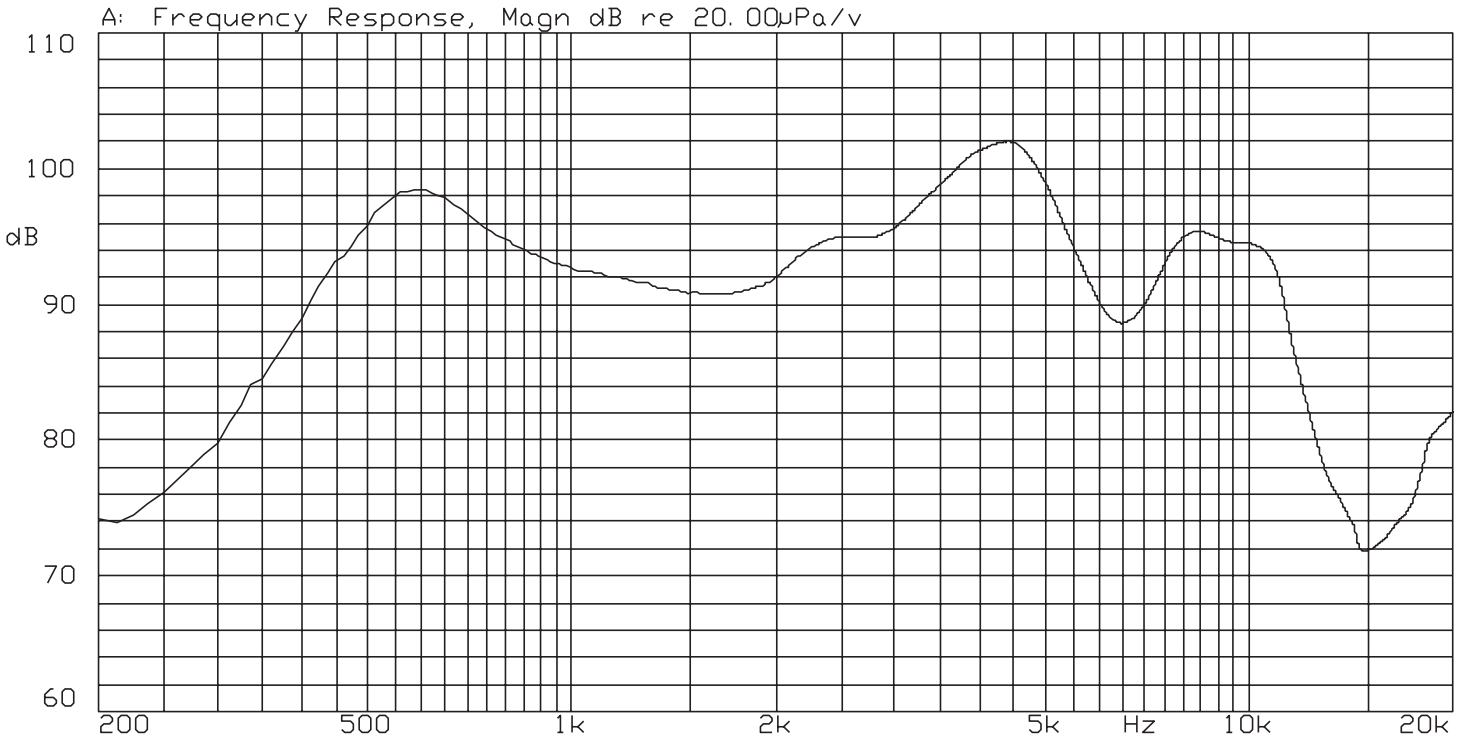


Spring:
1N after compress height: 6.5±0.5 mm
2N after compress height: 5.6±0.5 mm

RESPONSE CURVES

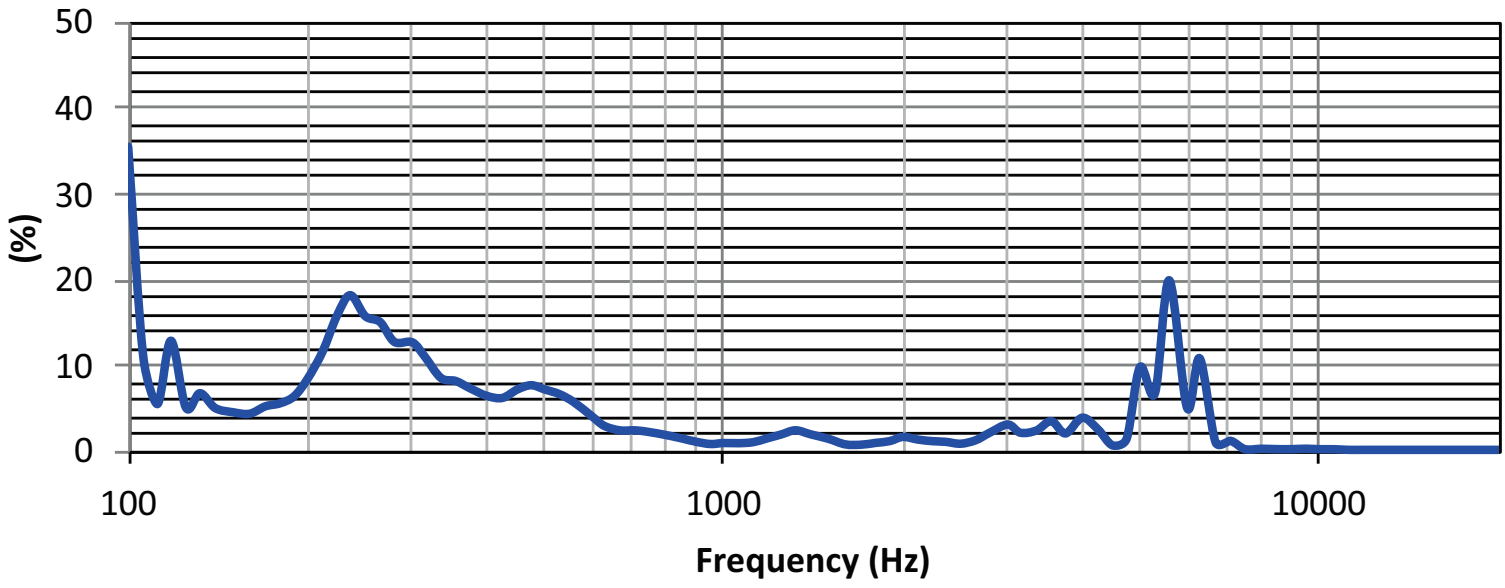
Frequency Response Curve

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	04/04/2024

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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