

date 04/05/2024

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MODEL: CMS-4049-28S | DESCRIPTION: SPEAKER

FEATURES

- · coiled spring contact
- low profile
- 8 Ω impedance
- rated 2.0 W





SPECIFICATIONS

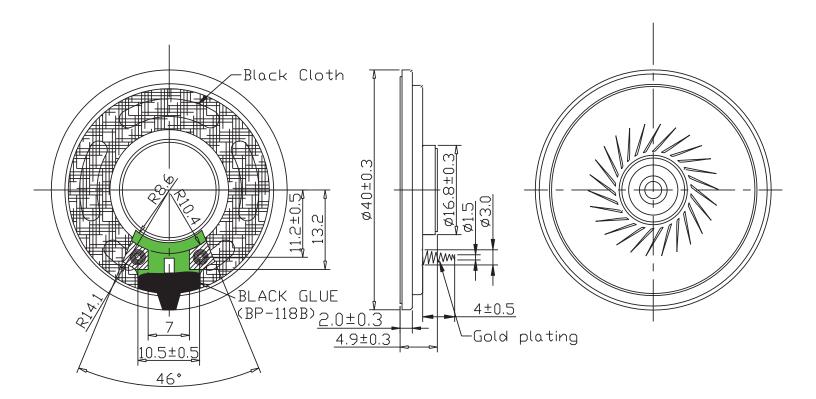
parameter	conditions/description	min	typ	max	units
input power	max power: 60 seconds on, 120 seconds off, 10 cycles		2.0	2.5	W
impedance	1.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	360	450	540	Hz
frequency response		Fo		5,000	Hz
sound pressure level	at 0.1 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz at 2.0 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	90 103	93 106	96 109	dB dB
distortion	at 1.0 kHz, 0.1 W			5	%
buzz, rattle, etc.	must be normal at sine wave, between 200 - 2.0 kHz			4.0	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	Ø40 x 4.9				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PEI				
terminal	spring terminals				
weight		8.5	9.5	10.5	g
operating temperature		-30		80	°C
storage temperature		-40		90	°C
RoHS	yes				

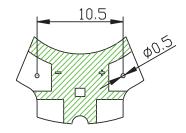
Notes:

 $^{1.} All \ specifications \ measured \ at \ 15~35°C, \ humidity \ at \ 45~85\%, \ under \ 86~106 \ kPa \ pressure, \ unless \ otherwise \ noted.$

MECHANICAL DRAWING

units: mm tolerance: ±0.3 mm unless otherwise specified

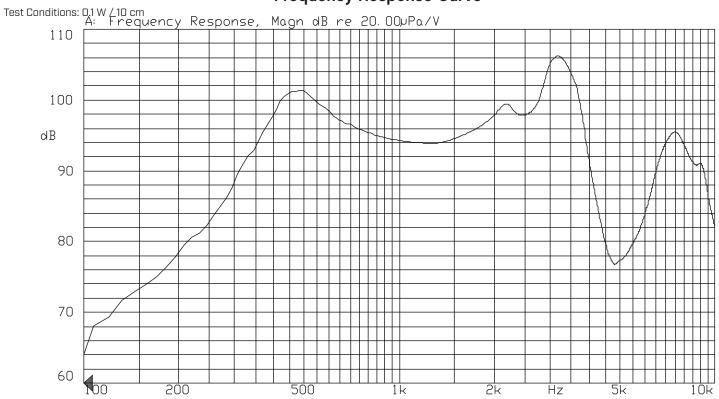




Recommended PCB Layout Top View

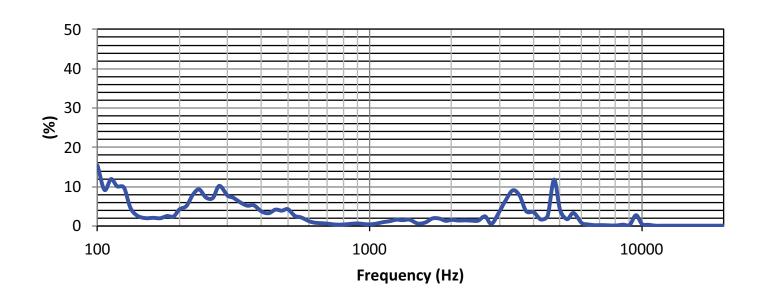
RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve

Test Conditions: 0.1 W / 10 cm



Additional Resources: Product Page

CUI DEVICES | MODEL: CMS-4049-28S | DESCRIPTION: SPEAKER

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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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