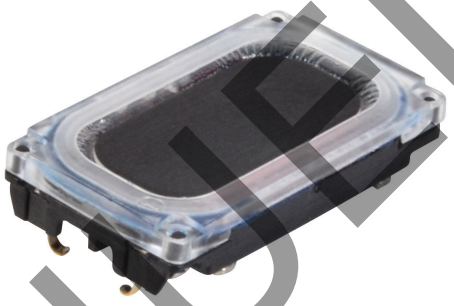
CUI INC®

MODEL: CDS-16098A | **DESCRIPTION:** SPEAKER

FEATURES

- micro-speaker
- small footprint
- wide operating temp range
- 8 ohm impedance
- spring leads



RoHS

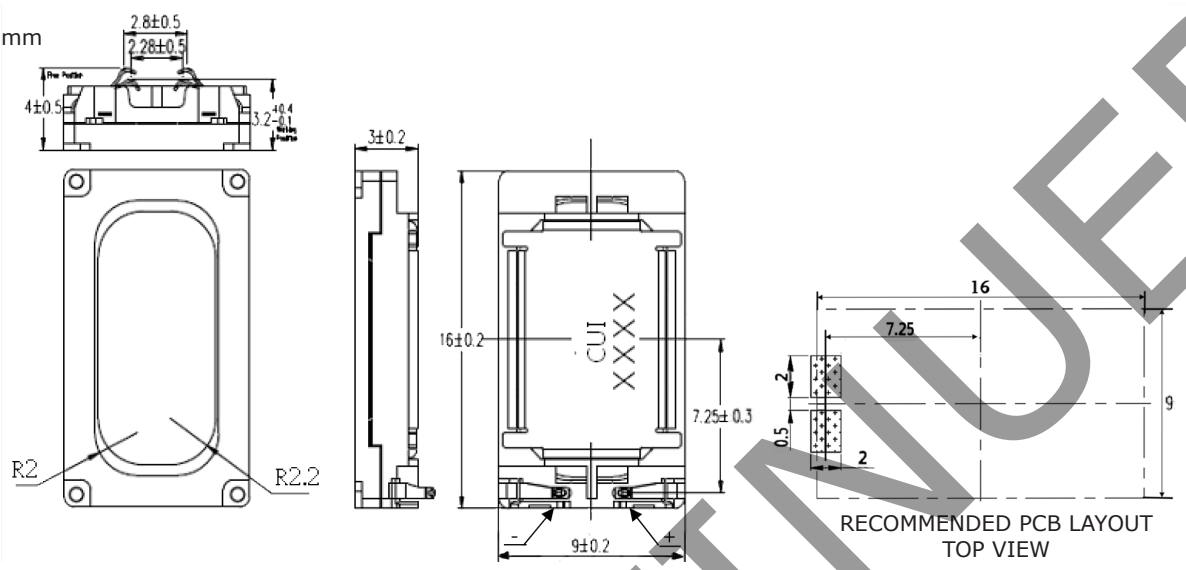
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp, in 1 cc closed box		0.7	1.0	W
impedance	at 2.0 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V, in 1 cc closed box	400 640	500 800	600 960	Hz Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.5 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz	83	86	89	dB
distortion	at 1.0 kHz, 0.5 W			10	%
buzz, rattle, etc.	must be normal at sine wave between 100 ~ 5 kHz, in 1 cc closed box		2.37		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	16 x 9.0 x 3.0				mm
magnet	Nd-Fe-B				
material	PBT				
cone material	mylar				
terminal	spring type				
weight			1.4		g
operating temperature		-30		70	°C
storage temperature		-40		85	°C
RoHS	2011/65/EU				

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

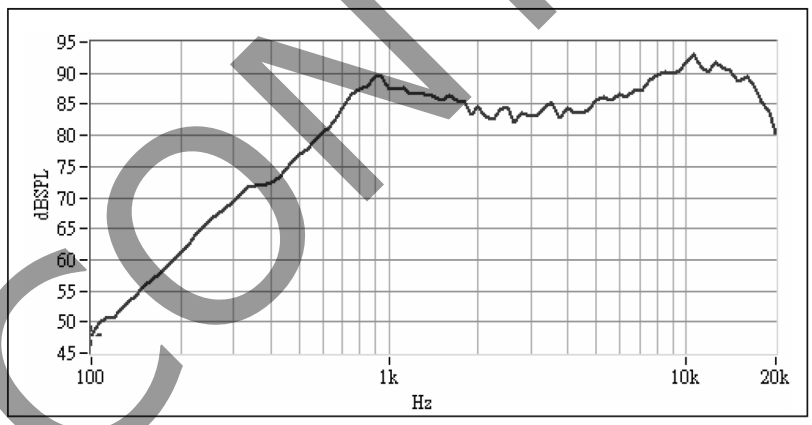
units: mm
tolerance: ±0.2 mm



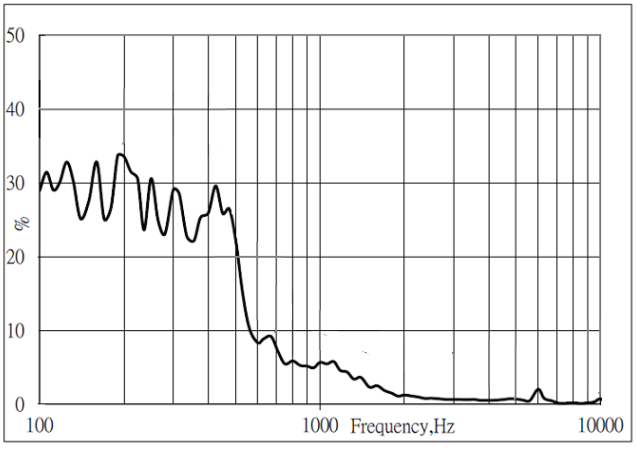
Notes: 1. Working height of the spring contacts is <0.4 mm.

RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



REVISION HISTORY

rev.	description	date
1.0	initial release	03/25/2015

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

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CDS-16098A