

Excellent Integrated System Limited

Stocking Distributor

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[CUI Inc.](#)
[CDS-15118B](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

MODEL: CDS-15118B | **DESCRIPTION:** SPEAKER

FEATURES

- micro-speaker
- small footprint
- 8 ohm impedance



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 2.5 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)		400	500	600	Hz
frequency response	output SPL ± 10 dB	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, 0.7 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20 kHz, in 1 cc closed box		2.37		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	15.0 x 11.0 x 3.0				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	mylar				
terminal	solder pads				
weight			1.5		g
operating temperature		-20		60	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	2011/65/EU				

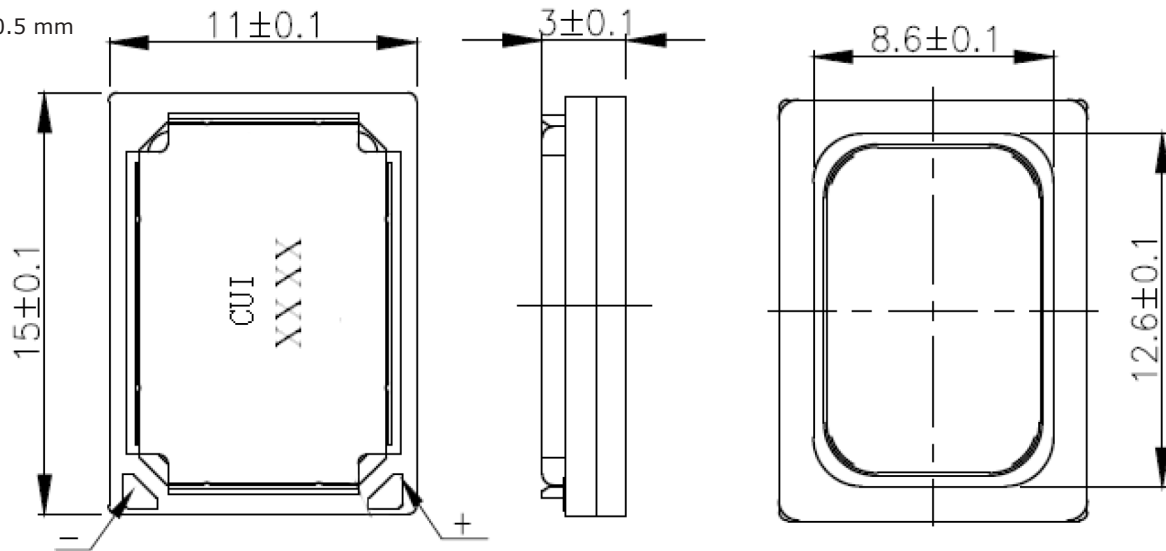
Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	370	380	390	$^{\circ}\text{C}$

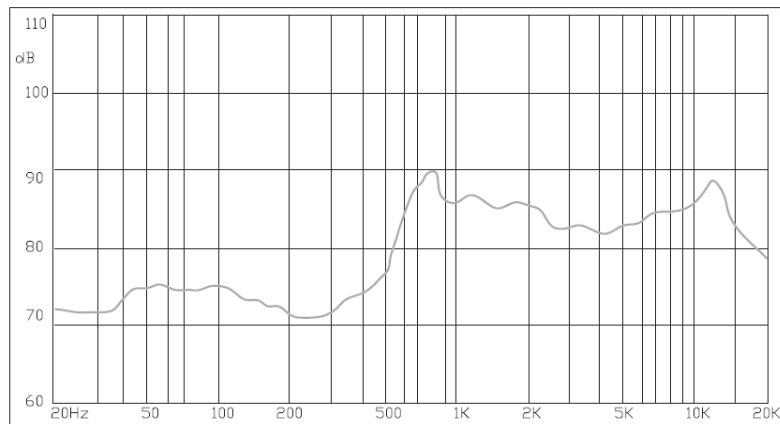
MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

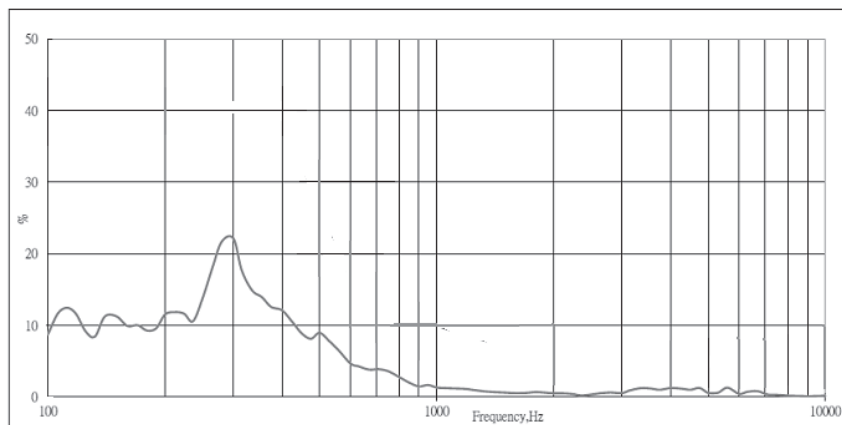


RESPONSE CURVES

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

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