CUI INC®

SERIES: CDS-15118B-L100 | DESCRIPTION: SPEAKER

FEATURES

- micro-speaker
- small footprint
- 8 ohm impedance
- wire 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 2.5 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 x 11 x 3				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	mylar				
terminal	wire leads				
weight			1.7		g
operating temperature		-20		60	°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.

PART NUMBER KEY

CDS-15118B-L100 **X**

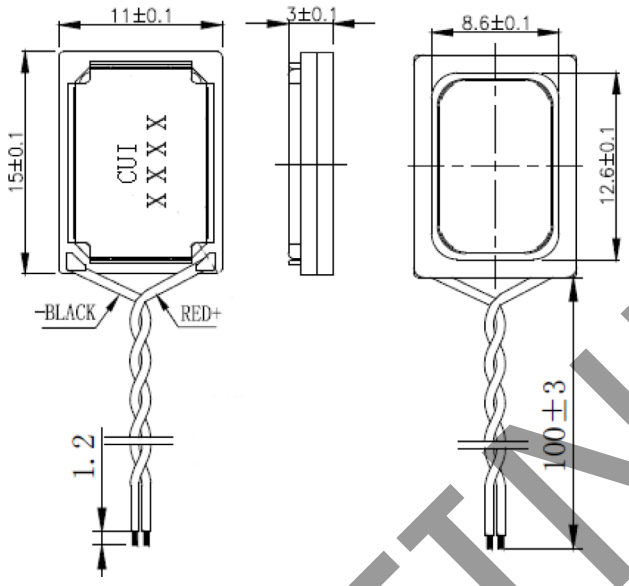
Base Number

Termination Style:
"blank" = wire leads, no connector
1 = JST housing SHR-2V-S-B
2 = JST housing ZHR-2
3 = JST housing PHR-2
4 = JST housing HER-2
5 = JST housing PHR-4
6 = Molex housing 51021-0200

MECHANICAL DRAWING

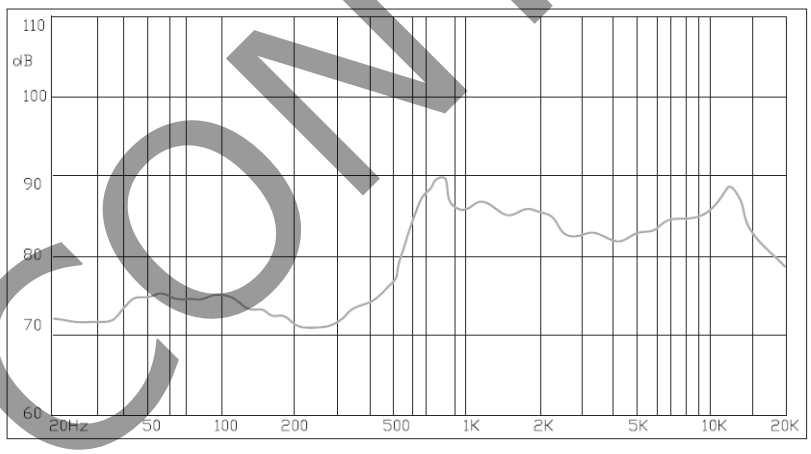
units: mm
tolerance: ±0.5 mm

wire: UL1571 30 AWG

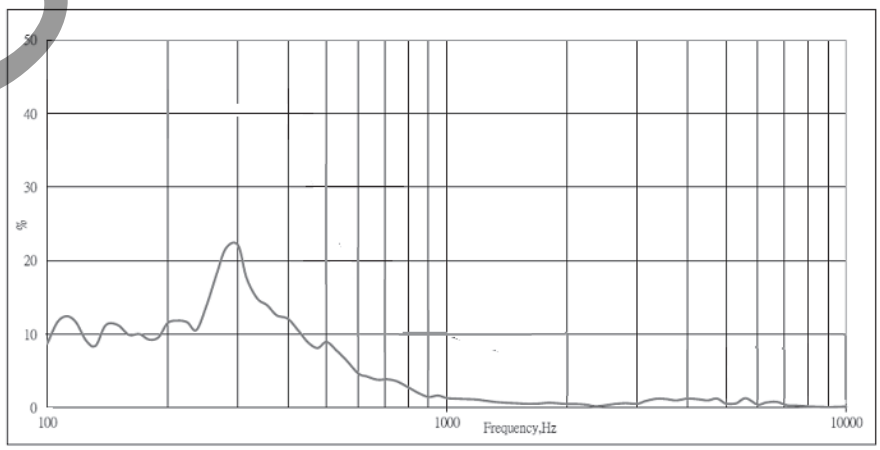


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



REVISION HISTORY

rev.	description	date
1.0	initial release	03/25/2015
1.01	added connector options	07/15/2016

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

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