MODEL: CMS-15118E-SP | DESCRIPTION: SPEAKER

FEATURES

- micro-speaker
- small footprint
- low profile
- spring leads



RoHS

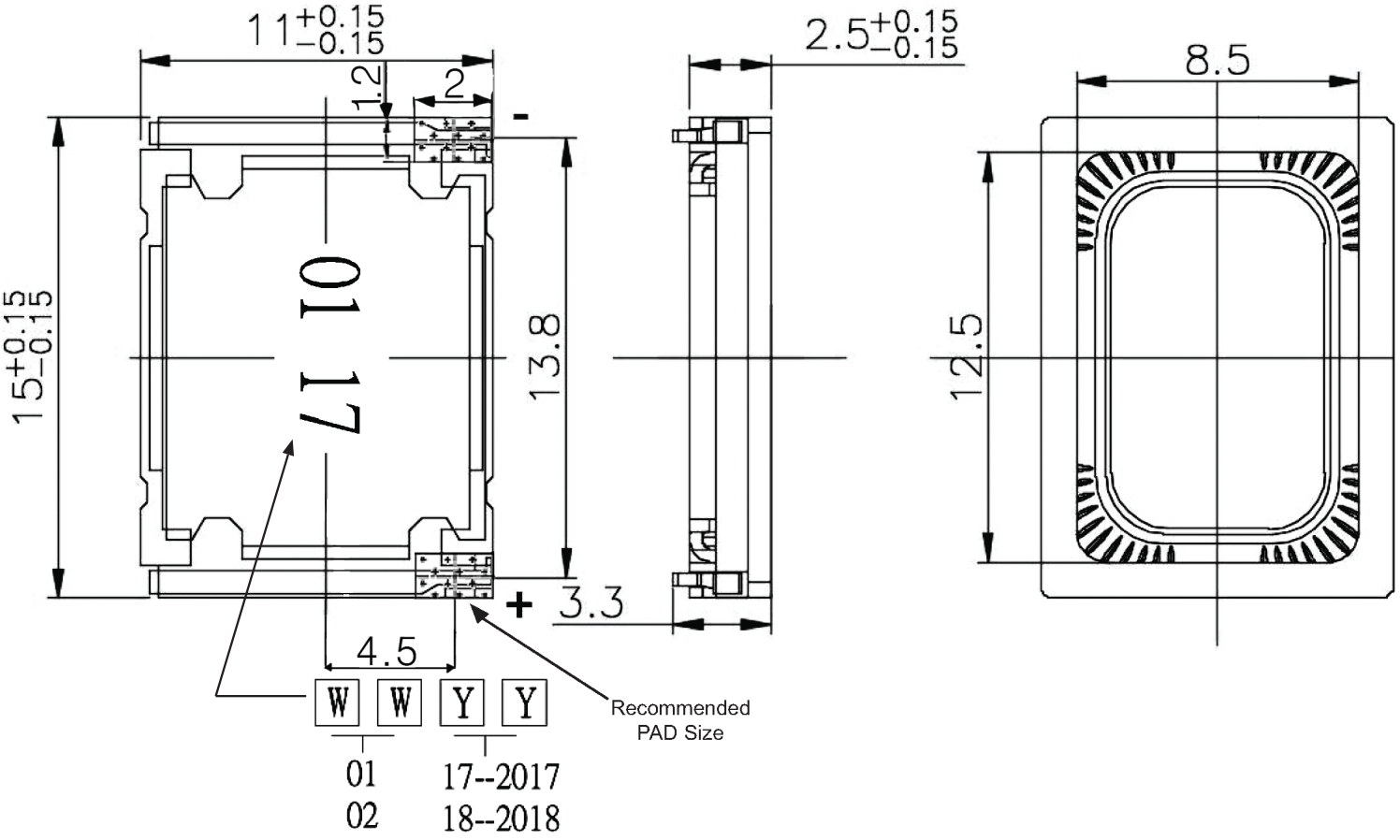
SPECIFICATIONS

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		0.8	1.0	W
impedance	at 1.5 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1cc closed box	440 680	550 850	660 1,020	Hz Hz
frequency response	output SPL ±10 dB	Fo		10,000	Hz
sound pressure level	at 0.8 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz in 1 cc closed box	87.5	90.5	93.5	dB
distortion	at 1.0 kHz, 0.8 W			15	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20 kHz in 1 cc closed box		2.53		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	15 x 11 x 2.5				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	PEEK				
terminal	spring contact				
weight			1.4		g
operating temperature		-20		60	°C
storage temperature		-40		85	°C
RoHS	yes				

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

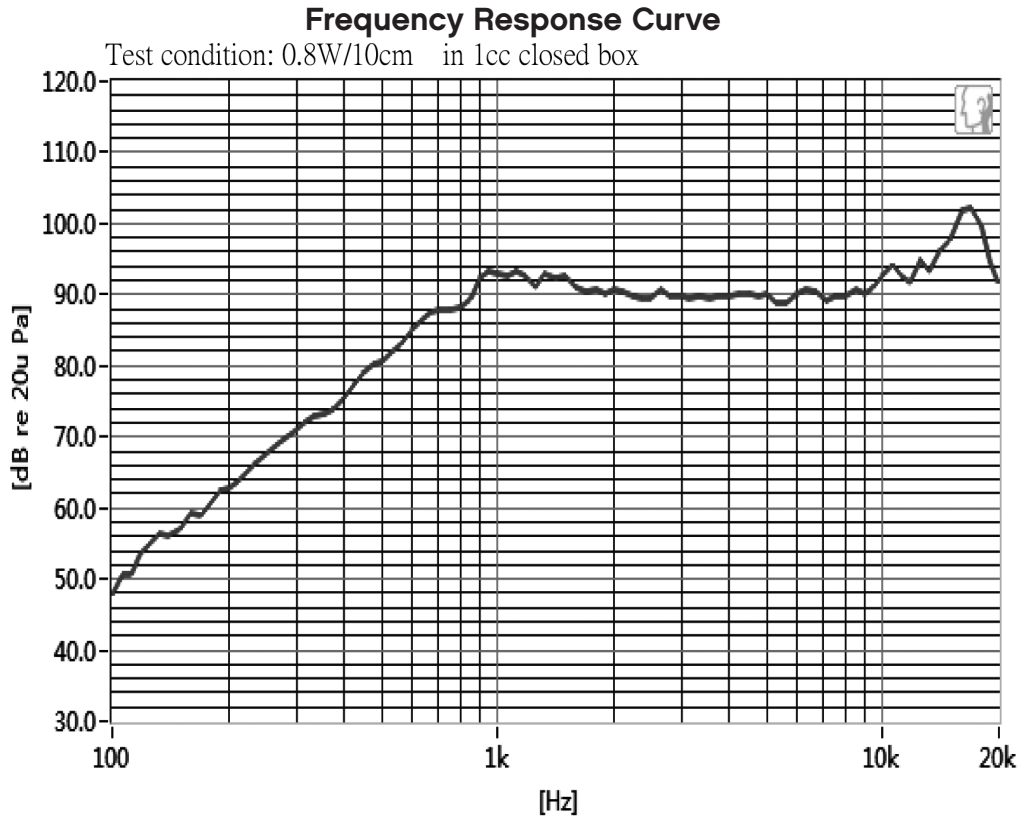
MECHANICAL DRAWING

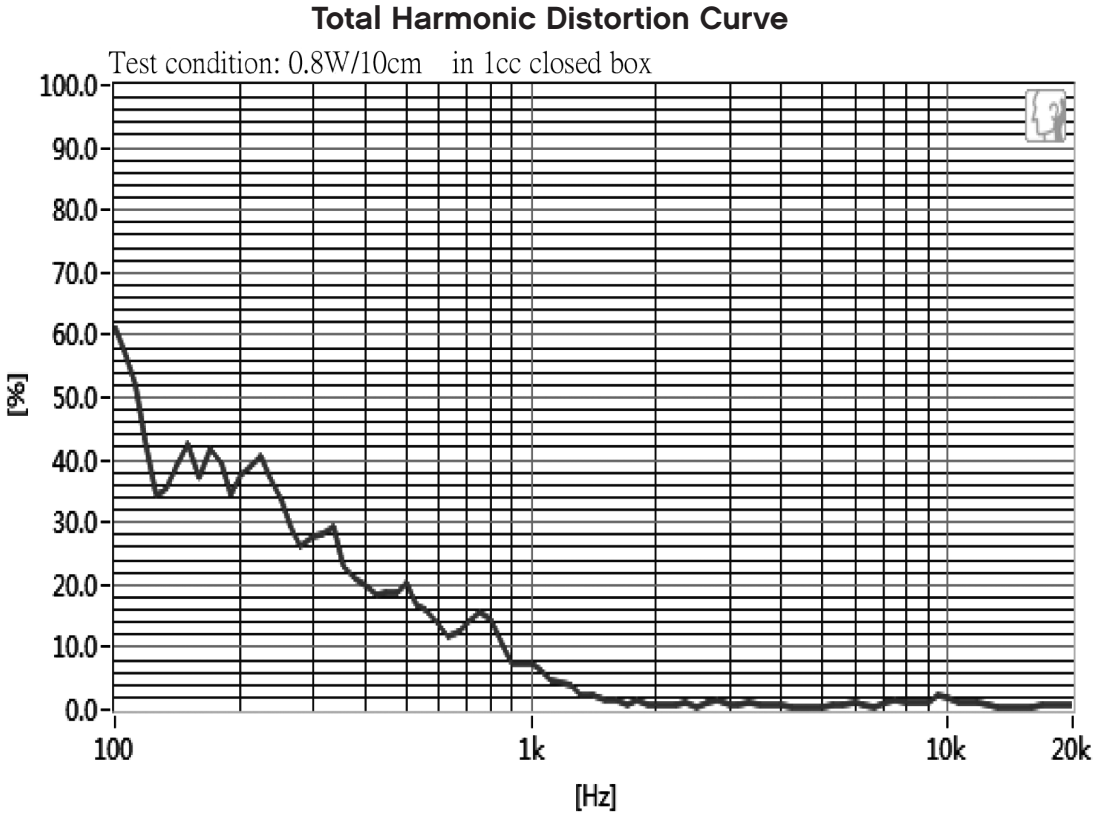
units: mm
tolerance: ±0.2 mm



Note: 1. Maximum compression force between front frame and back frame & yoke is 5 N.

RESPONSE CURVES

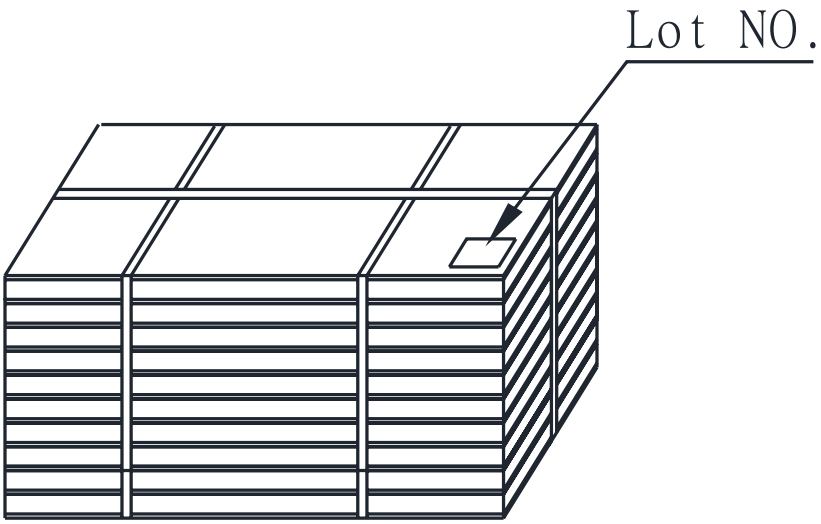




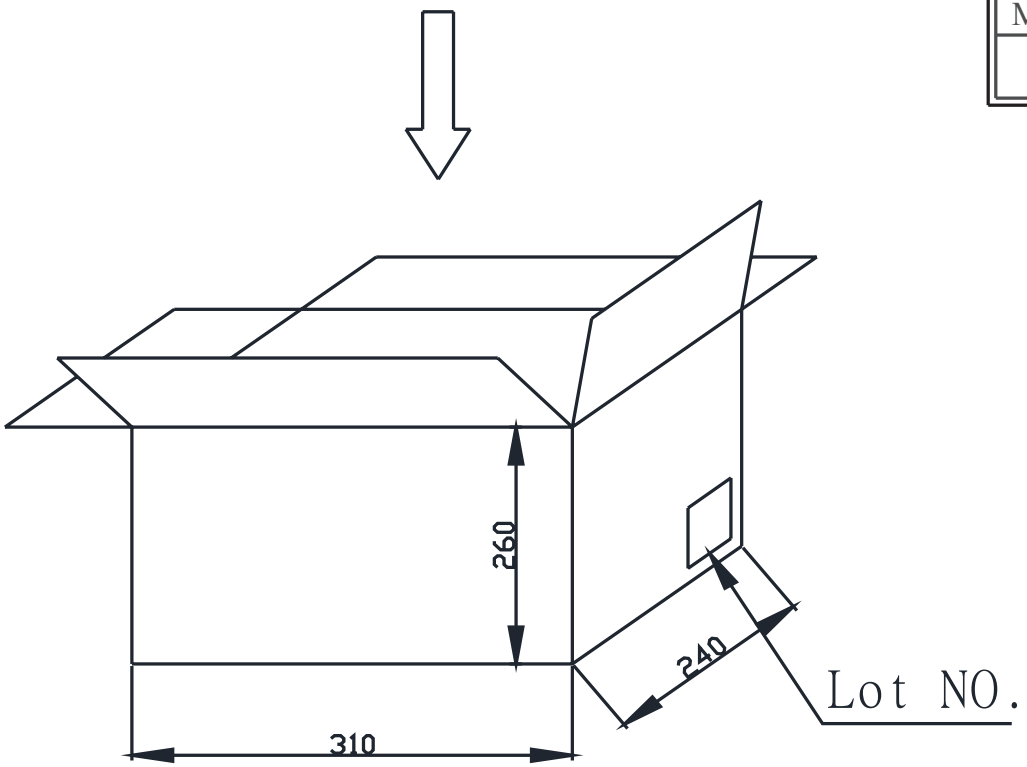
PACKAGING

units: mm

Tray Size: 290 x 220 x 12 mm
Carton Size: 310 x 240 x 260 mm
Tray QTY: 100 pcs per tray
Carton QTY: 2,000 pcs per carton



Lot No.	XXXXXXXXXX
Model No.	CUI Inv#. CUI Part#.
Quantity.	XXXX Pcs
Date: DD MM YY MADE IN CHINA	



REVISION HISTORY

rev.	description	date
1.0	initial release	07/06/2017
1.01	brand update	01/21/2020
1.02	logo, datasheet style update	08/05/2022

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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