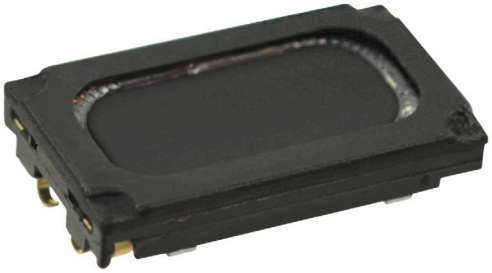
MODEL: CMS-160916A-SP | DESCRIPTION: SPEAKER

FEATURES

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



RoHS

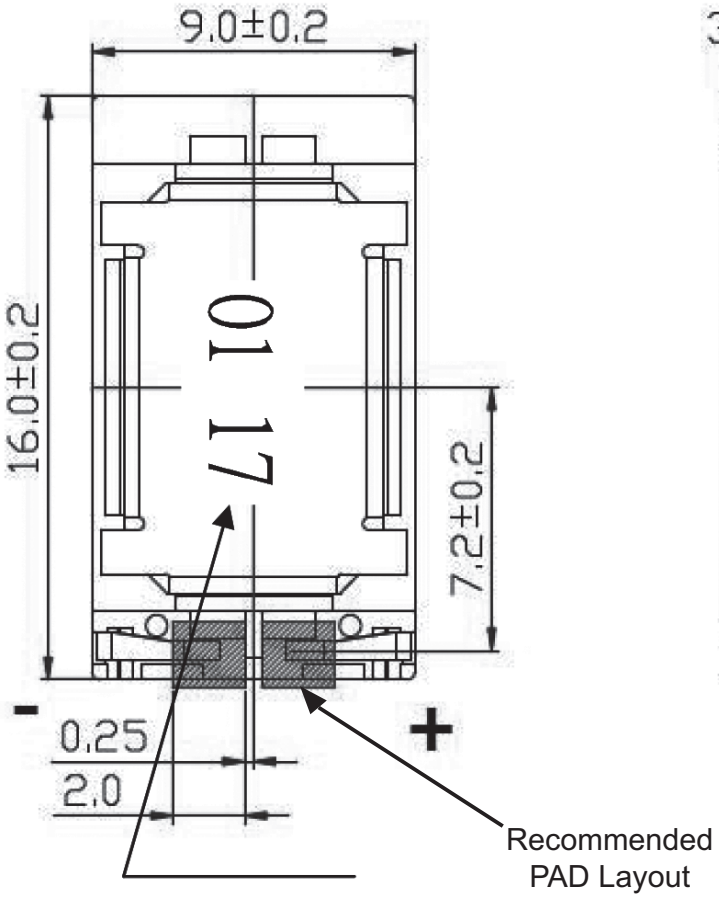
SPECIFICATIONS

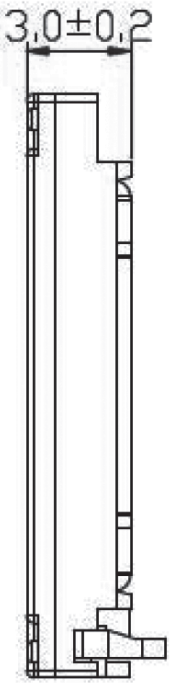
parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp in 1 cc closed box		0.8	1.0	W
impedance	at 2.0 kHz	5.1	6	6.9	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1 cc closed box	552.5 765	650 900	747.5 1,035	Hz Hz
frequency response	output SPL ±10 dB	Fo		20,000	Hz
sound pressure level	at 0.8 W, 0.1 m, at 2.0 kHz in 1 cc closed box	85	88	91	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		2.2		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	PEEK				
terminal	spring contact				
weight			1.0		g
operating temperature		-20		75	°C
storage temperature		-30		85	°C
RoHS	yes				

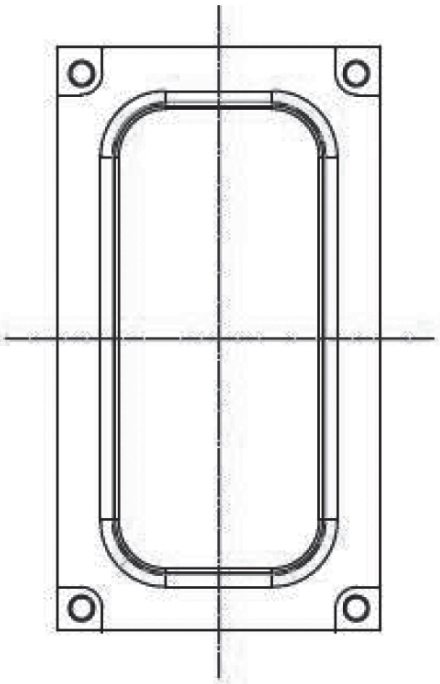
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

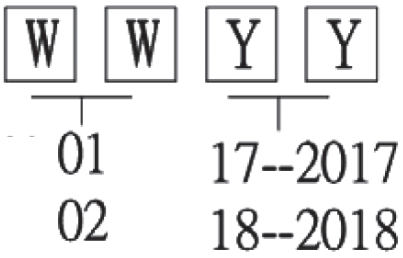
MECHANICAL DRAWING

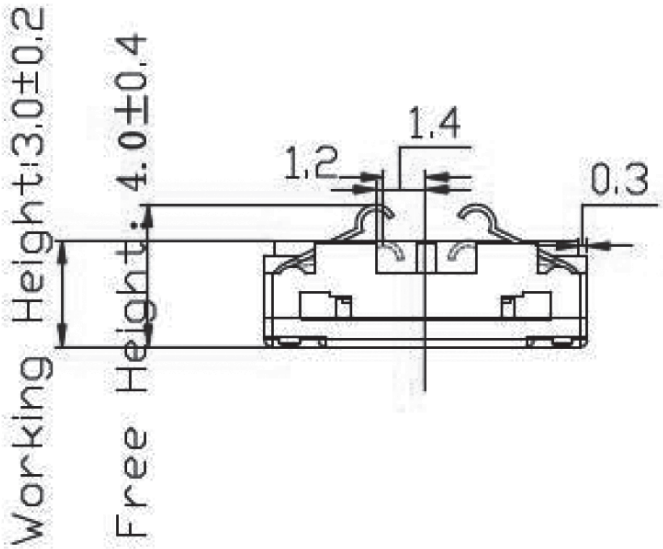
units: mm
tolerance: ±0.2 mm







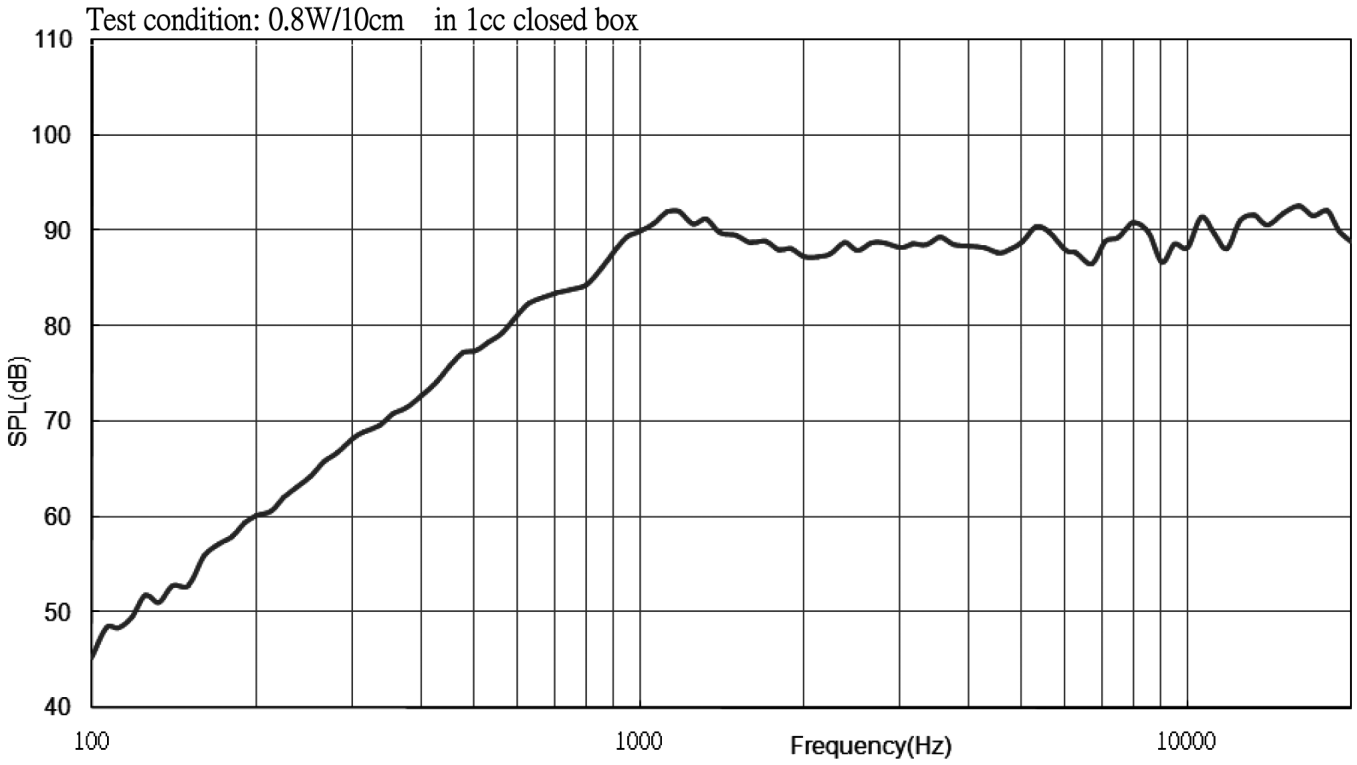




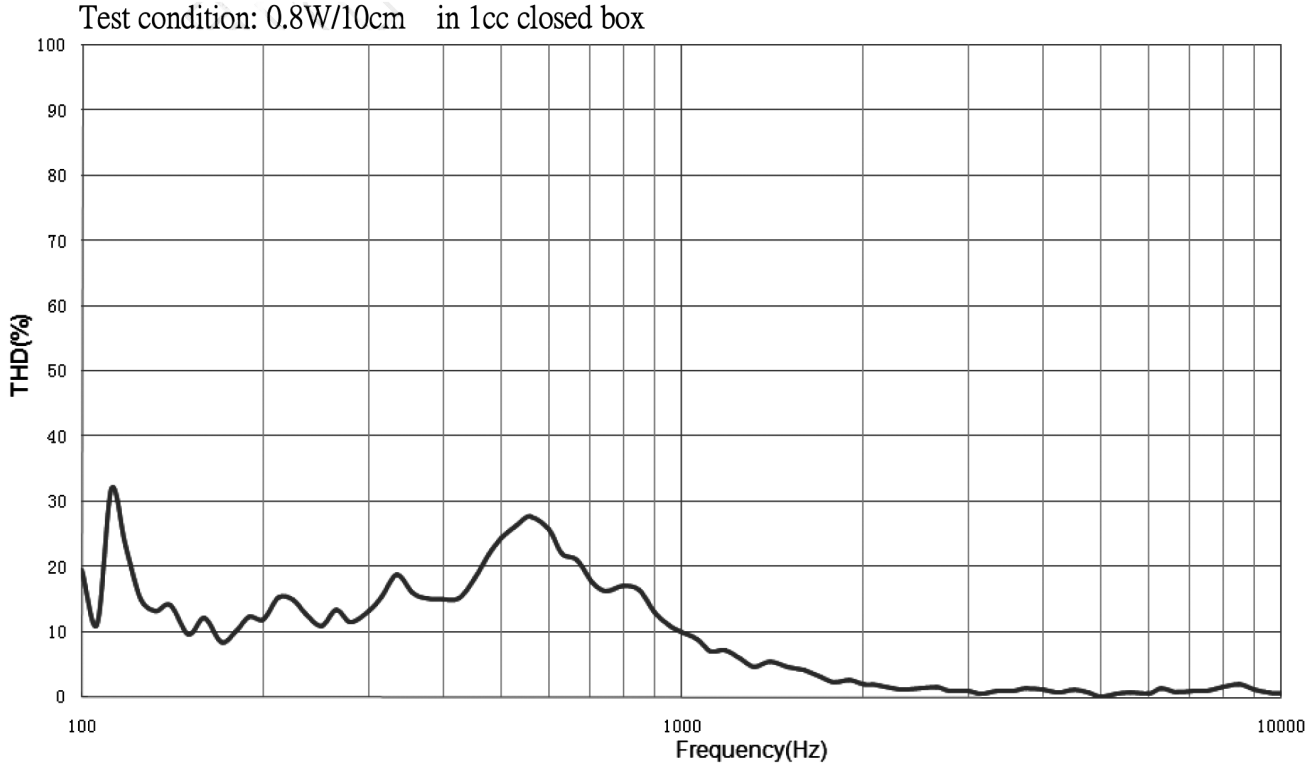
Note: 1. Maximum compression force between front frame and back frame & yoke is 5 N.

RESPONSE CURVES

Frequency Response Curve



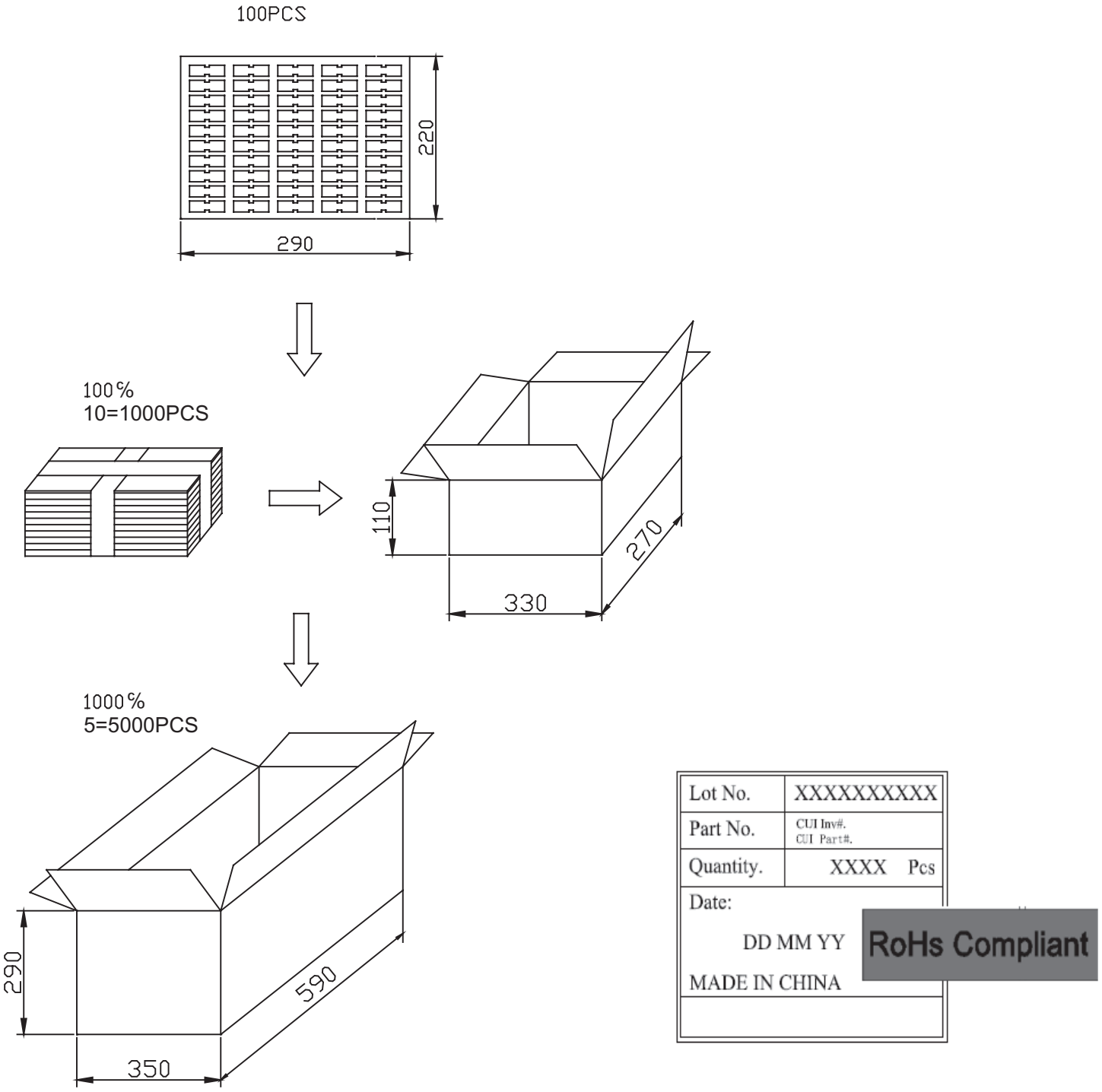
Total Harmonic Distortion Curve



PACKAGING

units: mm

Tray Size: 290 x 220 mm
Carton Size: 590 x 350 x 290 mm
Tray QTY: 100 pcs per tray
Carton QTY: 5,000 pcs per carton



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

REVISION HISTORY

rev.	description	date
1.0	initial release	07/06/2017
1.01	updated packaging	12/17/2019
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.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

cuidevices.com