

**MODEL:** CMS-160916-30-3 | **DESCRIPTION:** SPEAKER**FEATURES**

- micro-speaker
- small footprint
- spring leads

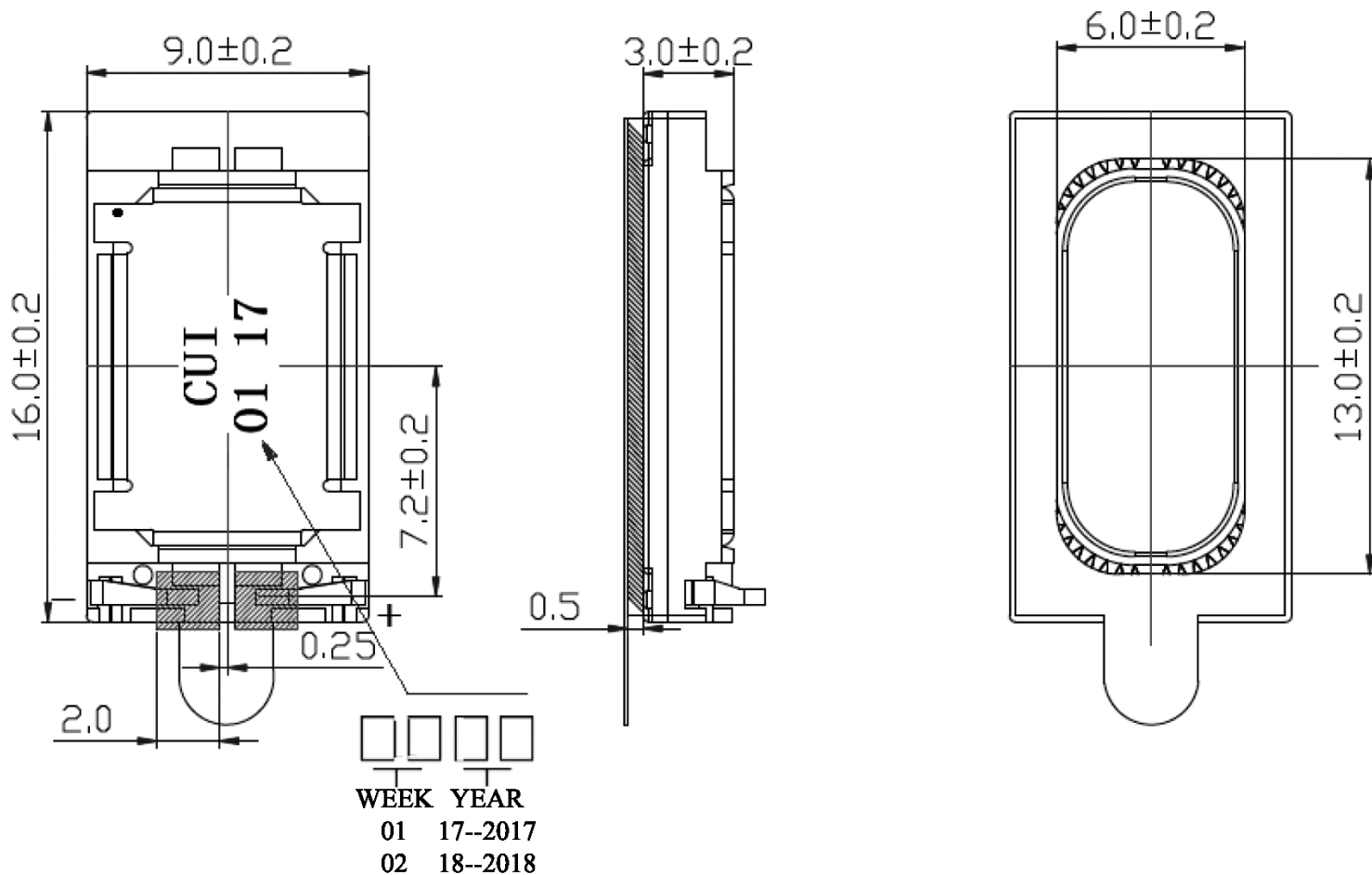
**SPECIFICATIONS**

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	6.0	6.9	$\Omega$
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1 cc closed box	480 765	600 900	720 1,035	Hz Hz
frequency response	output SPL $\pm 10$ dB	Fo		20,000	Hz
sound pressure level	at 0.8 W, 0.1 m ave, 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	16.0 x 9.0 x 3.0				mm
magnet	Nd-Fe-B				
material	PBT				
cone material	mylar				
terminal	spring contact				
weight			1.0		g
operating temperature		-20		75	$^{\circ}\text{C}$
storage temperature		-30		85	$^{\circ}\text{C}$
RoHS	yes				

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

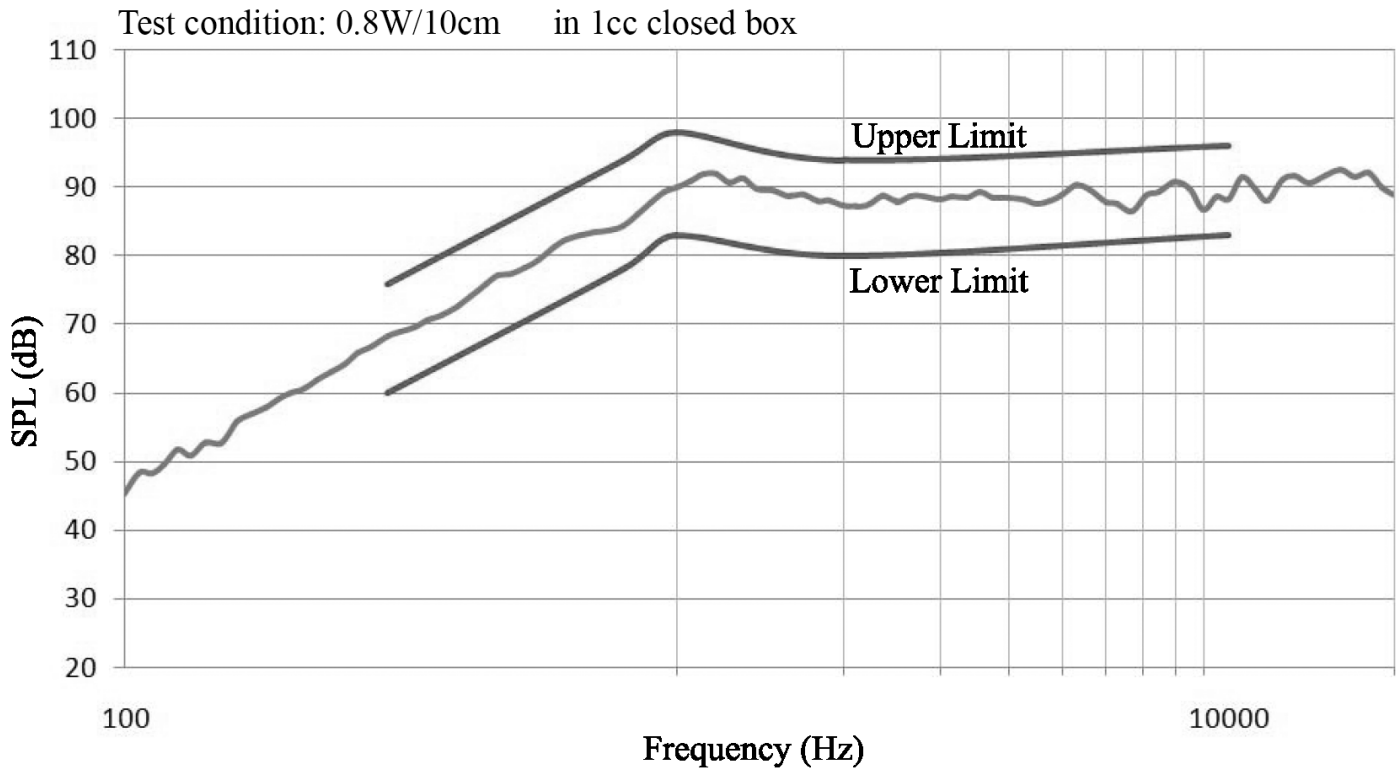
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

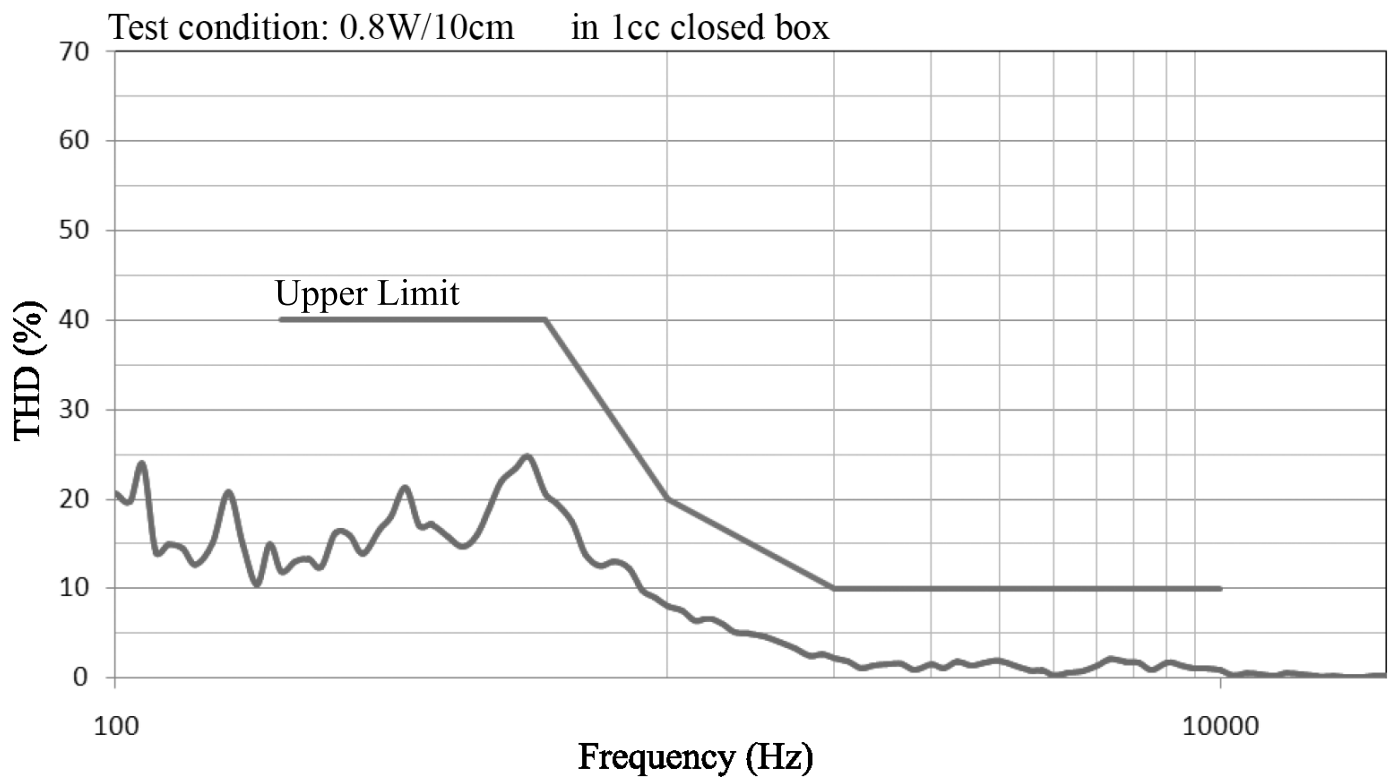


## RESPONSE CURVES

### Frequency Response Curve



### Total Harmonic Distortion Curve

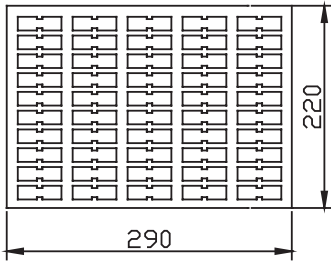


## PACKAGING

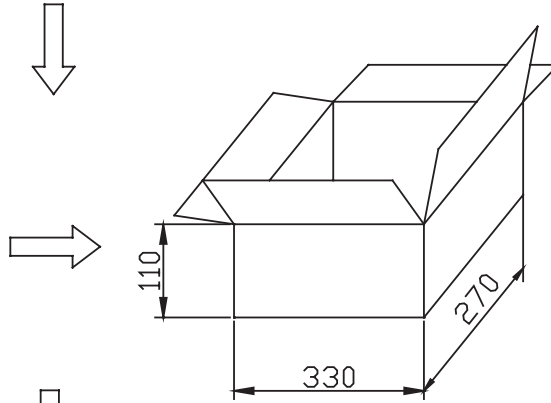
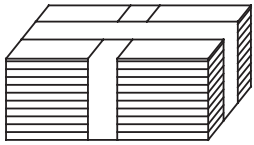
units: mm

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

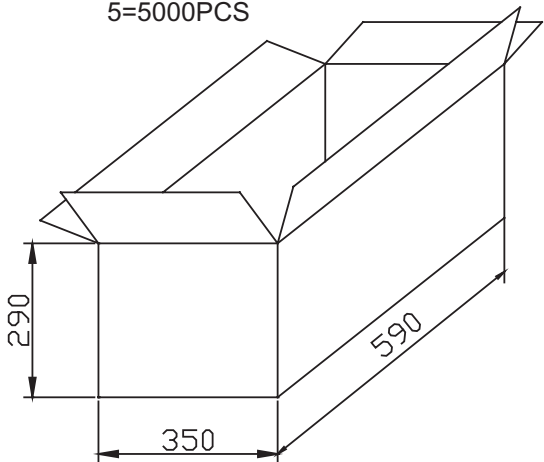
100PCS



100 %  
10=1000PCS



1000 %  
5=5000PCS



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

**RoHs Compliant**

## REVISION HISTORY

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rev.	description	date
1.0	initial release	10/13/2016
1.01	updated datasheet	04/04/2017
1.02	updated packaging	12/17/2019

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

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# CUI DEVICES

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