

MODEL: CMS-18138-25-SP | **DESCRIPTION:** SPEAKER
FEATURES

- micro-speaker
- small footprints
- spring leads

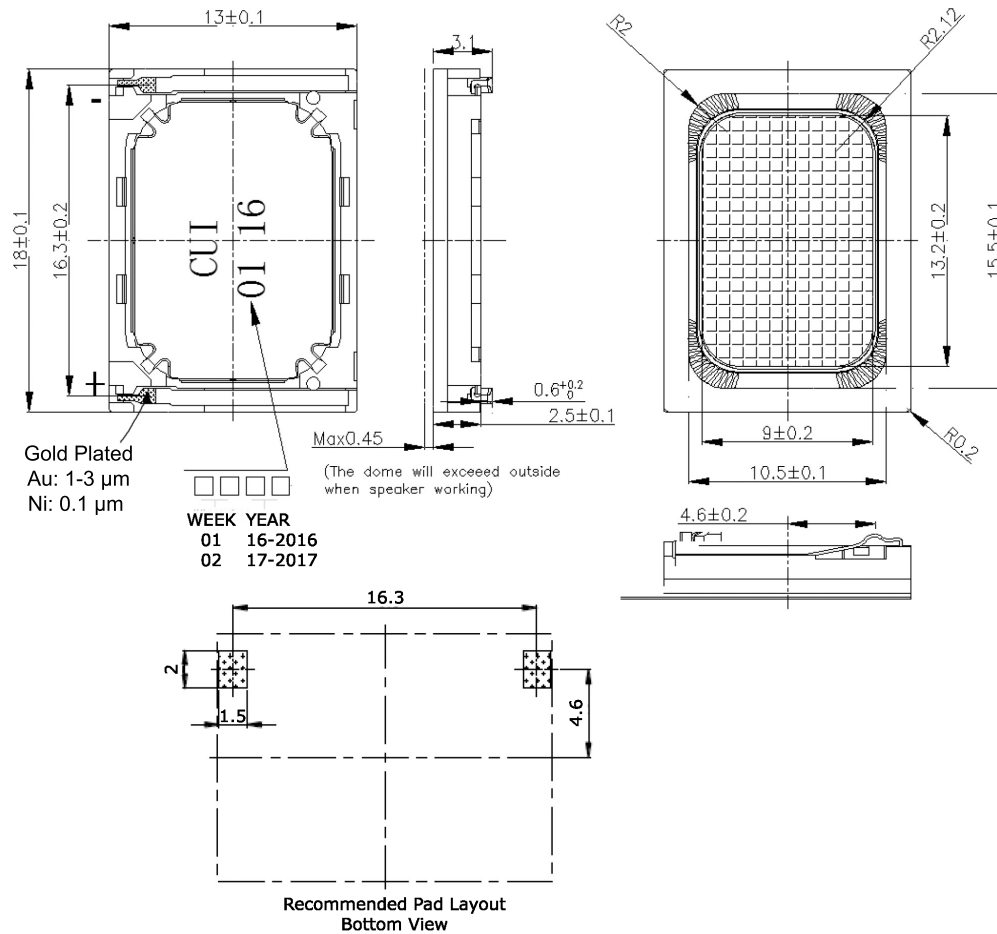
**SPECIFICATIONS**

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		0.7	1.0	W
impedance	at 2.0 kHz, 1.0 V	6.8	8.0	9.2	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1 cc closed box	384 765	480 900	576 1,035	Hz Hz
frequency response	output SPL ± 10 dB	Fo		20,000	Hz
sound pressure level	at 0.7 W, 0.1 m ave, at 2.0 kHz in 1 cc closed box	87.5	90.5	93.5	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	18.0 x 13.0 x 2.5				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	mylar				
terminal	spring contact				
weight			1.6		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 86~106 kPa pressure, unless otherwise noted.

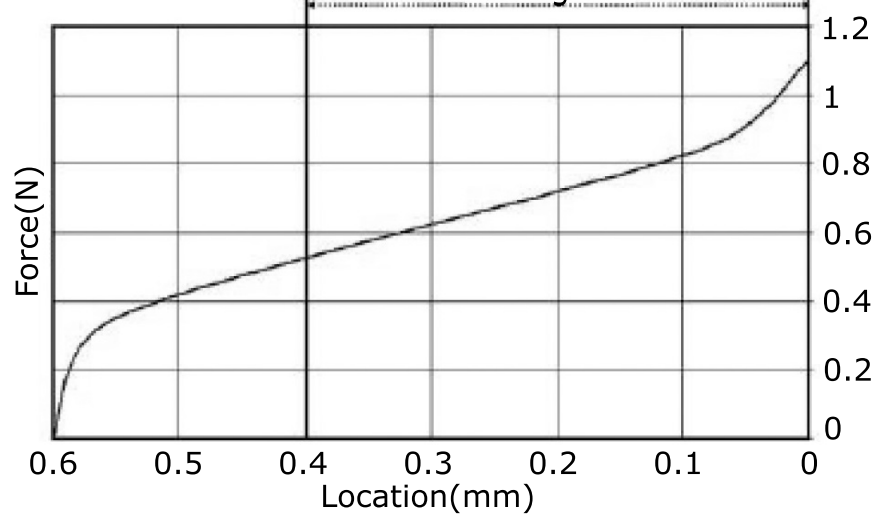
MECHANICAL DRAWING

units: mm

tolerance: ± 0.2 mm

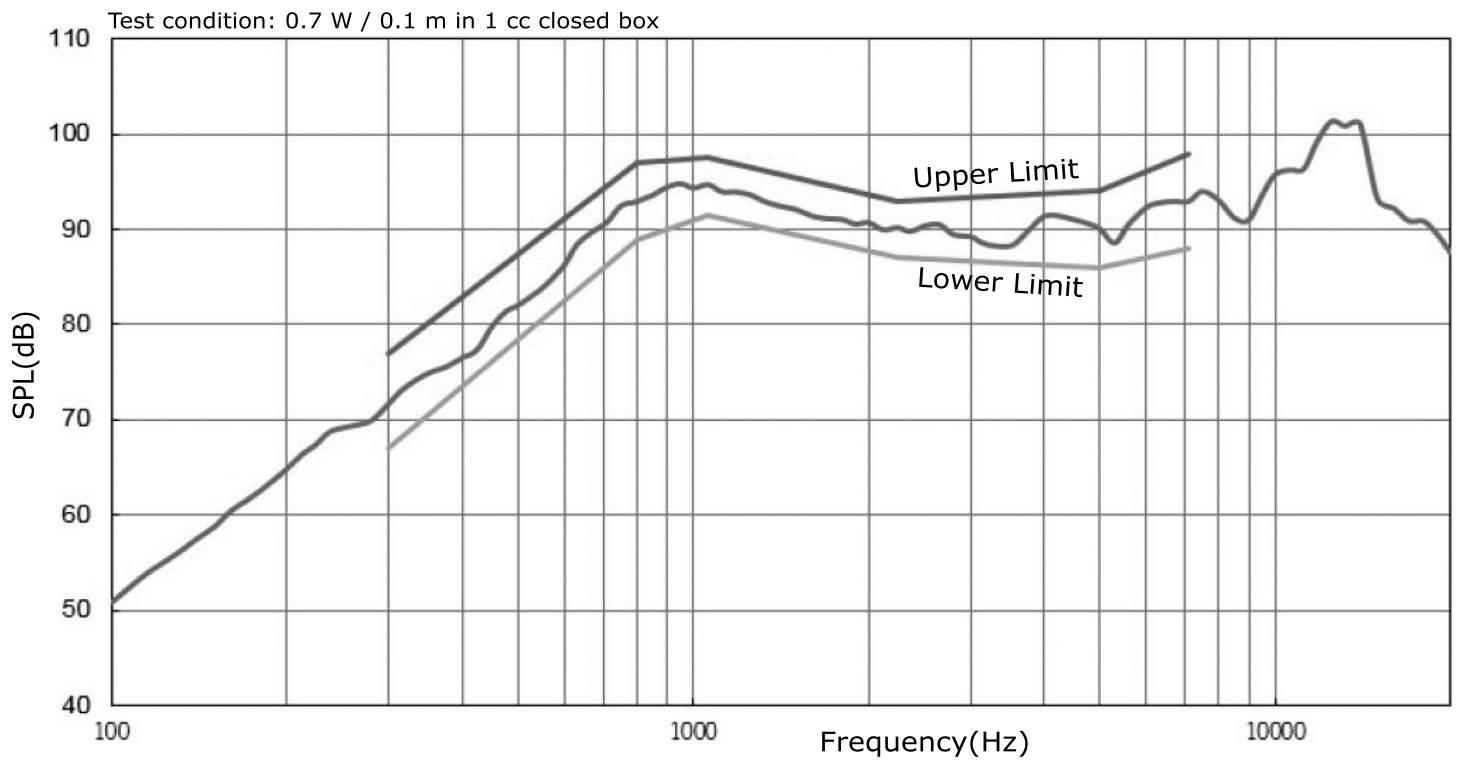
Force Progression Of One Spring Contact

Working area

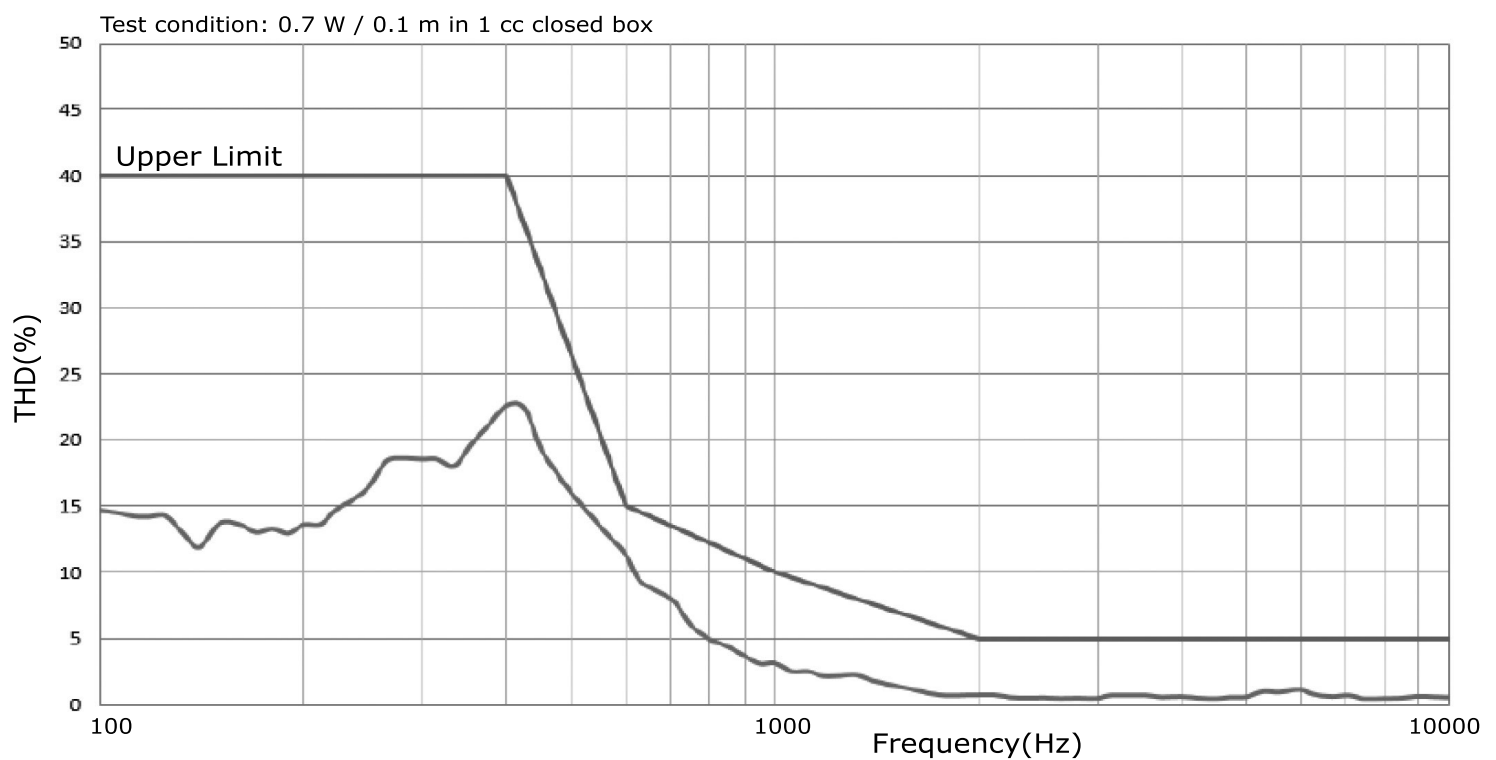


RESPONSE CURVES

Frequency Response Curve



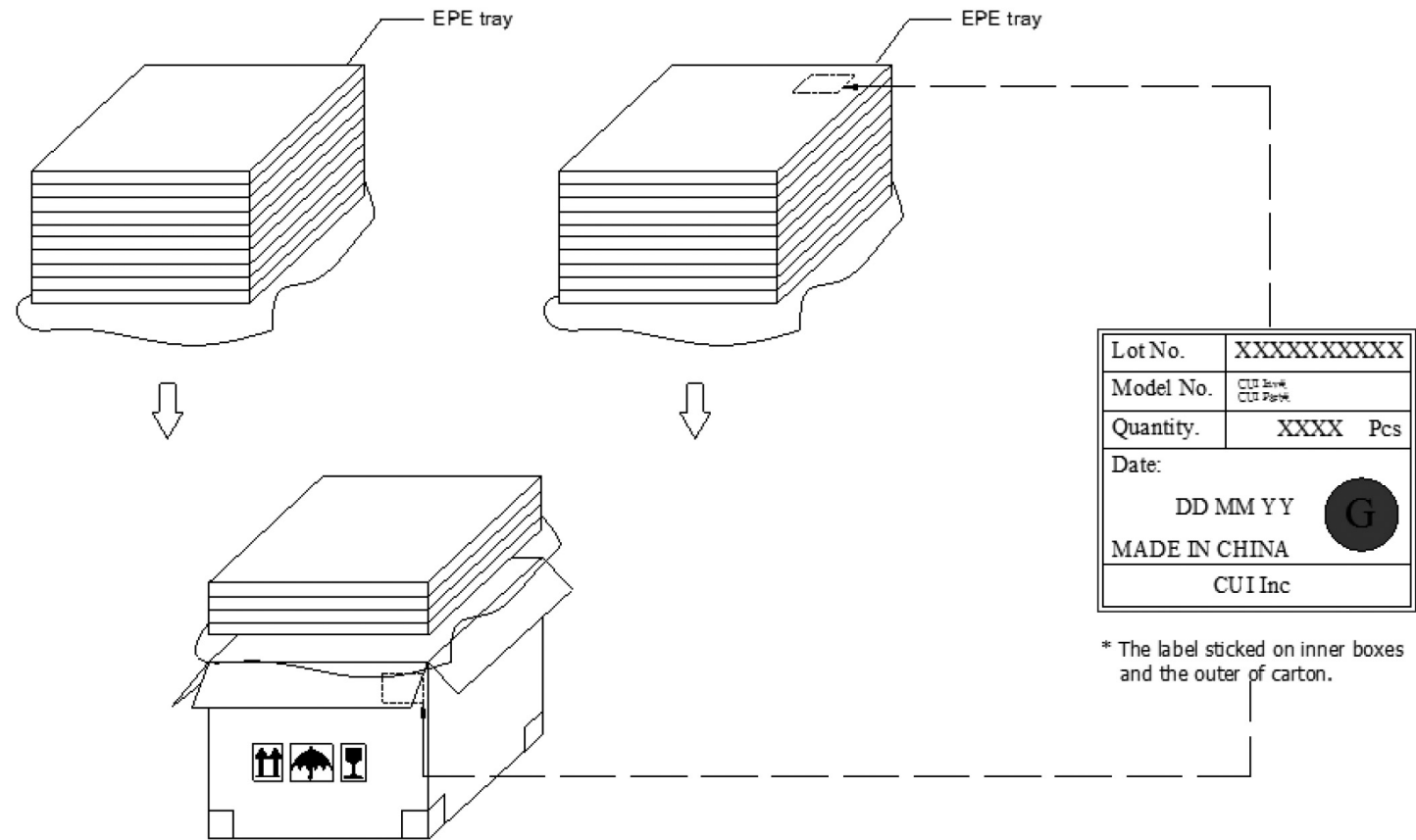
Total Harmonic Distortion Curve



PACKAGING

units: mm

Tray Size: 360 x 225 x 9 mm
Carton Size: 375 x 240 x 260 mm
Tray QTY: 80 pcs per tray
Carton QTY: 2,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	10/12/2016

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



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