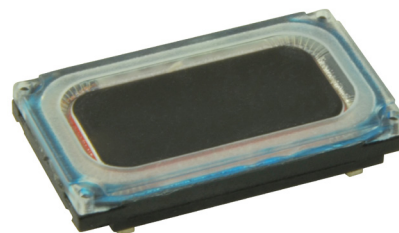


**SERIES:** CMS-16093-076X | **DESCRIPTION:** SPEAKER

**FEATURES**

- micro-speaker
- 6 Ω impedance
- rated 0.7 W
- 3 available contact methods

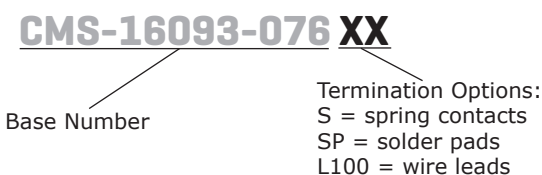


**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	max power: as per IEC-268-1, in 1 cc box		0.7	1.0	W
impedance	at 2.0 kHz, 2.05 Vrms, in 1 cc box	5.1	6	6.9	Ω
coil resistance		4.59	5.4	6.21	Ω
resonant frequency (Fo)	at 1.0 Vrms in free air, 10 cm	480	600	720	Hz
	at 2.05 Vrms W in 1 cc box, 10 cm	720	900	1,080	Hz
frequency response		100		20,000	Hz
sound pressure level	at 0.7 W, 10 cm, avg 0.8, 1.0, 1.5, 2.0 kHz, 1 cc box	87	90	93	dB
distortion	at 800~1,200 Hz, 2.05 Vrms, 10 cm			15	%
	at 1,201~5,000 Hz, 2.05 Vrms, 10 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, 0.2~2 kHz, 1 cc box			2.05	Vrms
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	16 x 9 x 3				mm
magnet	Nd-Fe-B				
cone material	mylar				
weight			1.3		g
operating temperature		-20		70	°C
storage temperature		-40		85	°C
hand soldering	for maximum 3 seconds (N/A for spring contacts)			380	°C
RoHS	2011/65/EU				

Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, under 86~106 kPa pressure, unless otherwise noted.

**PART NUMBER KEY**

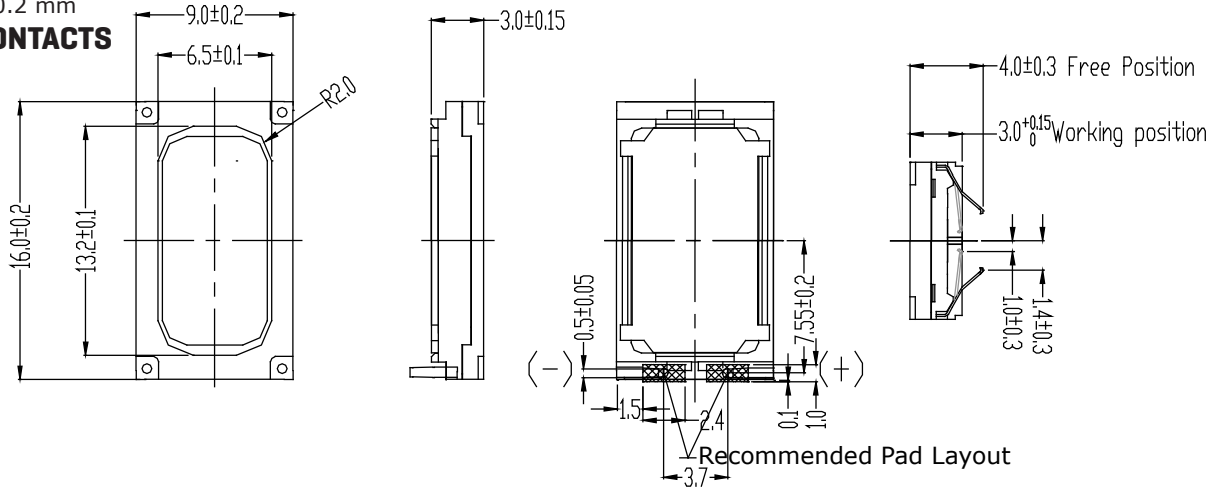


## MECHANICAL DRAWINGS

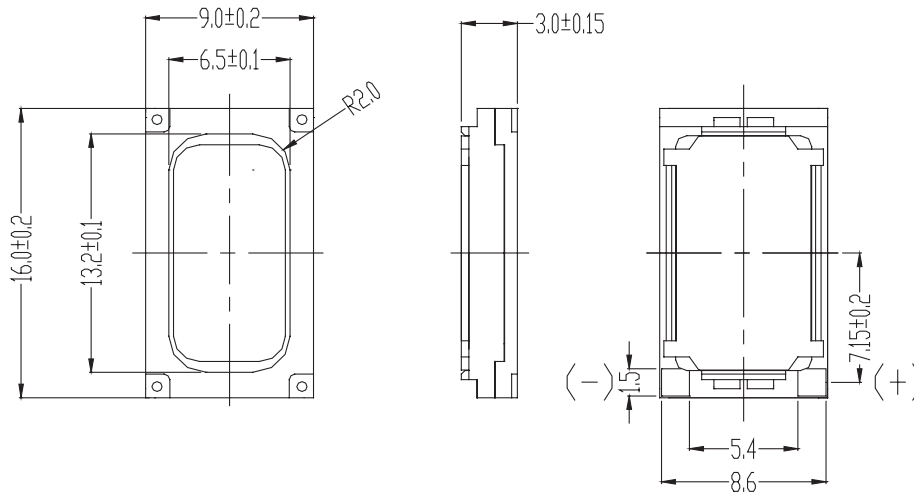
units: mm

tolerance:  $\pm 0.2$  mm

### SPRING CONTACTS

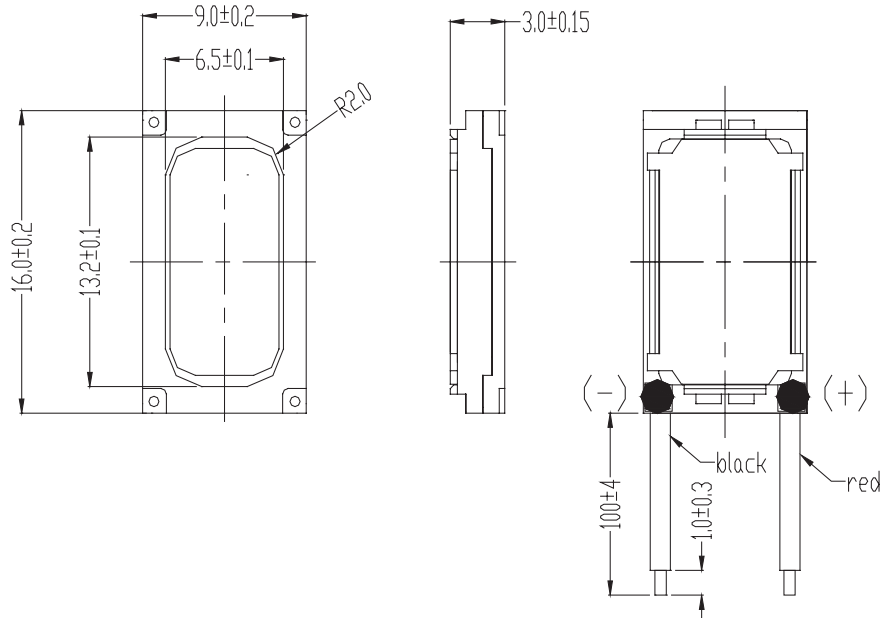


### SOLDER PADS



### WIRE LEADS

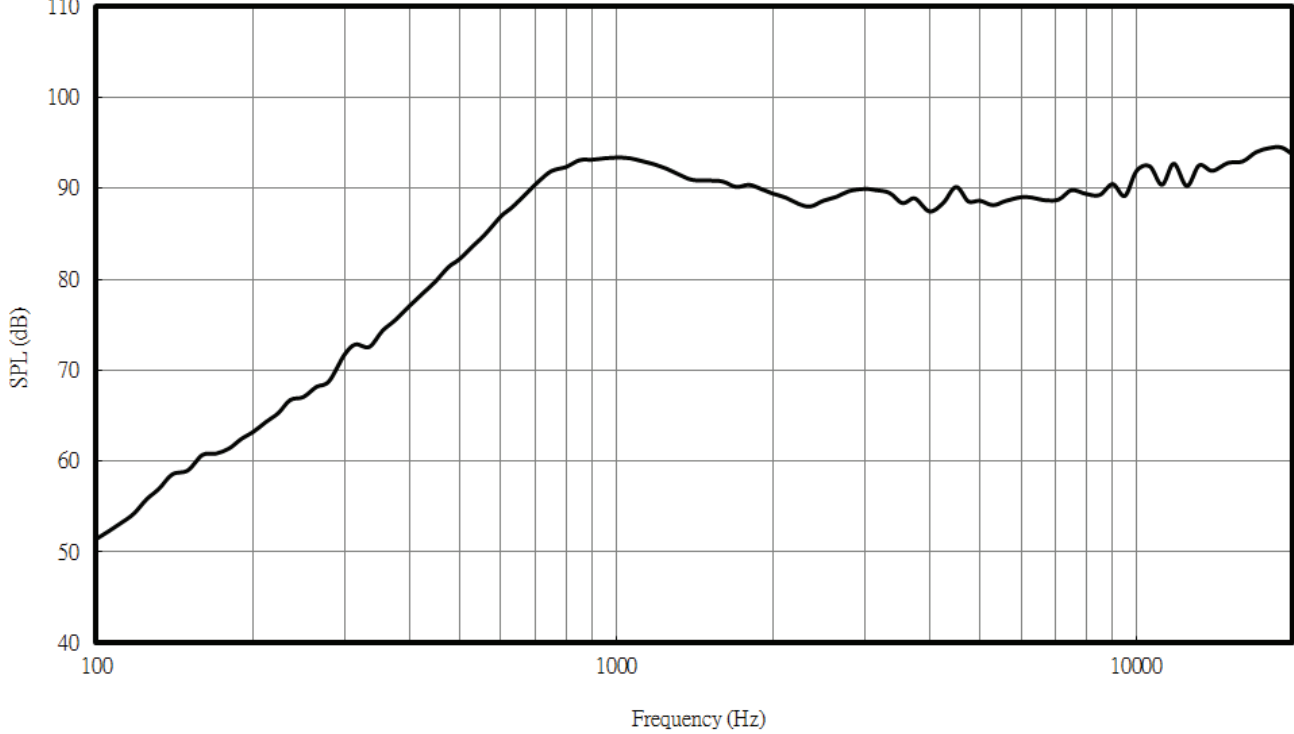
wire: UL 1571, 32 AWG



## RESPONSE CURVES

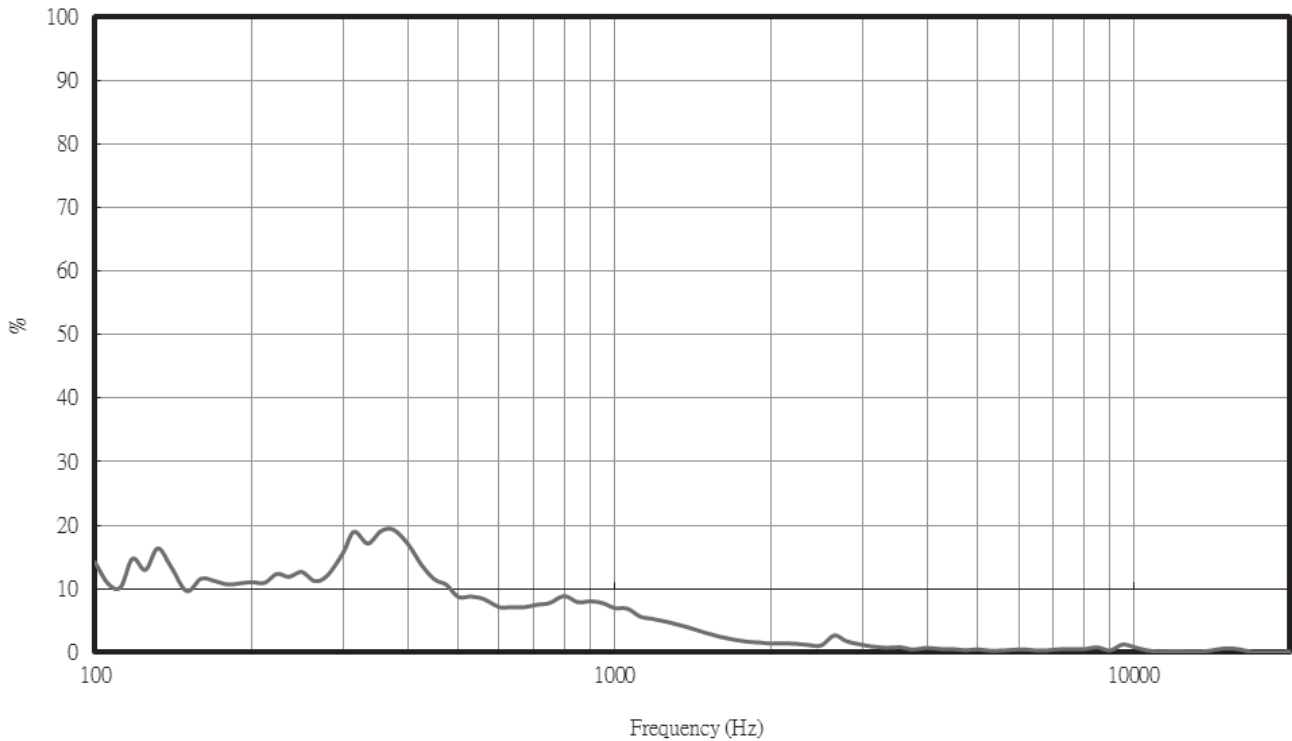
### Frequency Response Curve

Test Conditions: 2.05 Vrms / 10 cm in 1 cc box



### Total Harmonic Distortion Curve

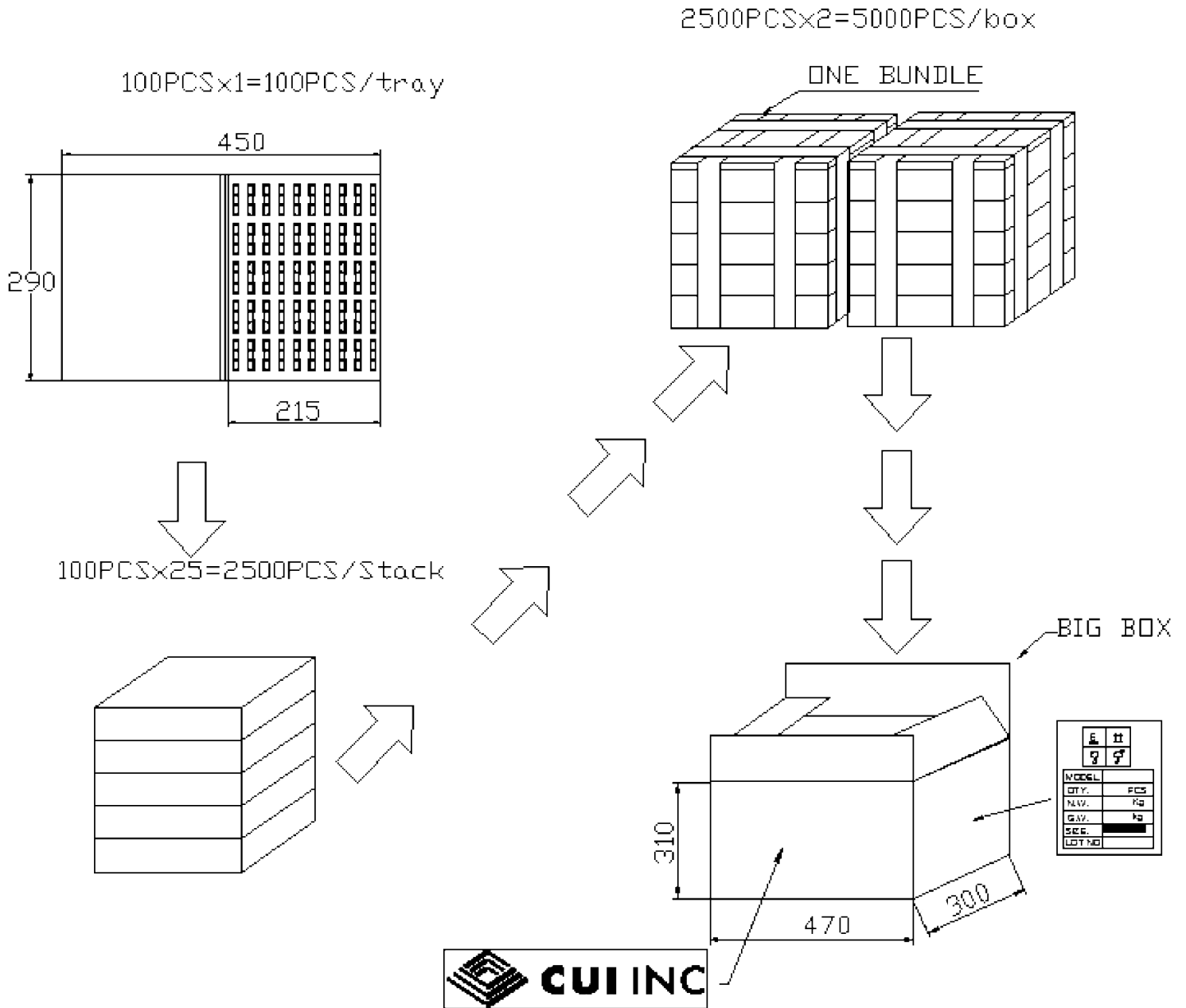
Test Conditions: 2.05 Vrms / 10 cm in 1 cc box



## PACKAGING

units: mm

Tray QTY: 100 pcs per tray  
Carton Size: 470 x 300 x 310 mm  
Carton QTY: 5,000 pcs per carton



## REVISION HISTORY

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rev.	description	date
1.0	initial release	03/23/2018

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



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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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