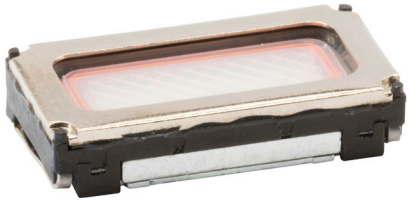
CUDEVICES

MODEL: CMS-150803-088S-X8 | **DESCRIPTION:** SPEAKER

FEATURES

- IPX8 rated
- 8 Ω
- rated 0.8 W



RoHS IPX8

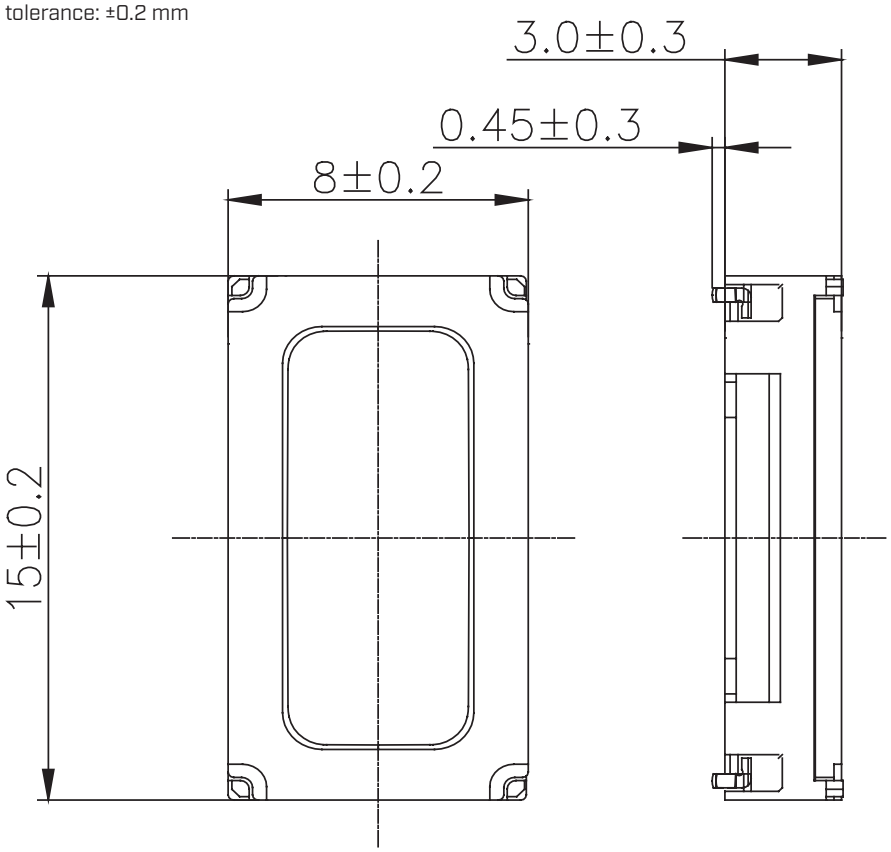
SPECIFICATIONS

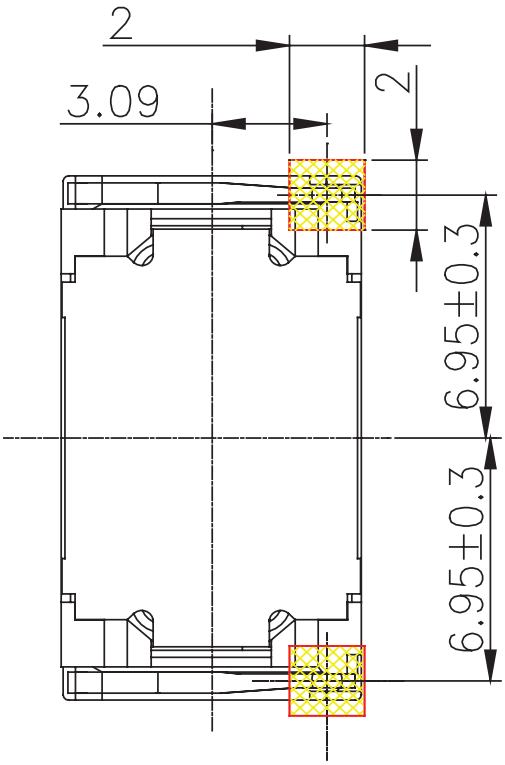
parameter	conditions/description	min	typ	max	units
input power	max power: as per IEC-268-5, in 3.5 cc box		0.8	1.2	W
impedance	at 2.0 kHz, 2.53 Vrms	6.4	8	9.6	Ω
resonant frequency (Fo)	at 2.53 Vrms, 10 cm in 3.5 cc box	960	1,200	1,440	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 2.53 Vrms, 10 cm, avg at 1.2, 1.5, 2.0 kHz in 3.5 cc box	90	93	96	dB
distortion	at 2.0 kHz, 2.53 Vrms, 10 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, 0.2~ 2 kHz in 3.5 cc box			2.53	V
polarity	cone moves forward w/ positive dc current to “+” terminal				
dimensions	15 x 8 x 3				mm
magnet	Nd-Fe-B				
frame material	PPA				
cone material	PEEK				
terminal	spring contacts				
weight			1.5		g
operating temperature		-20		70	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IPX8 (front side)				

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

MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm



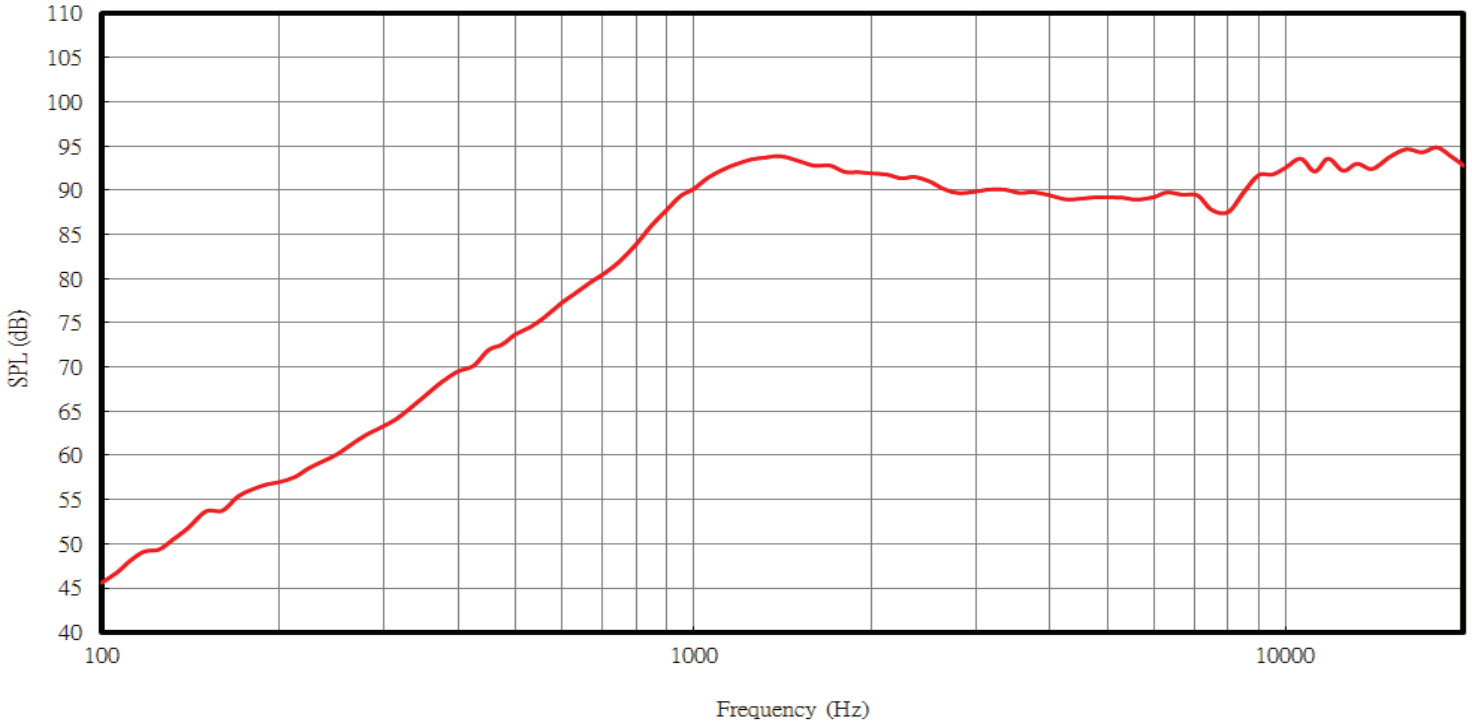


Recommended PCB Layout
Top View

RESPONSE CURVES

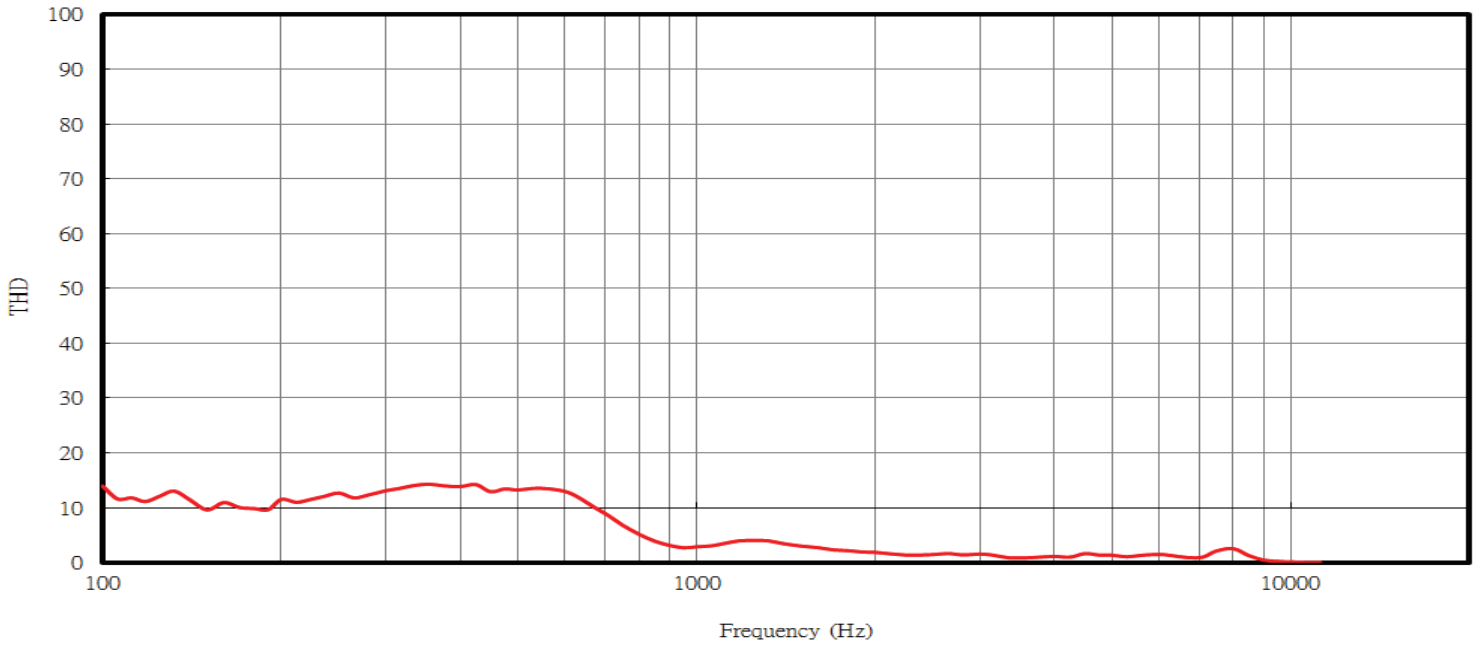
Frequency Response Curve

Test Conditions: 2.53 Vrms / 10 cm, in 3.5 cc box



Total Harmonic Distortion Curve

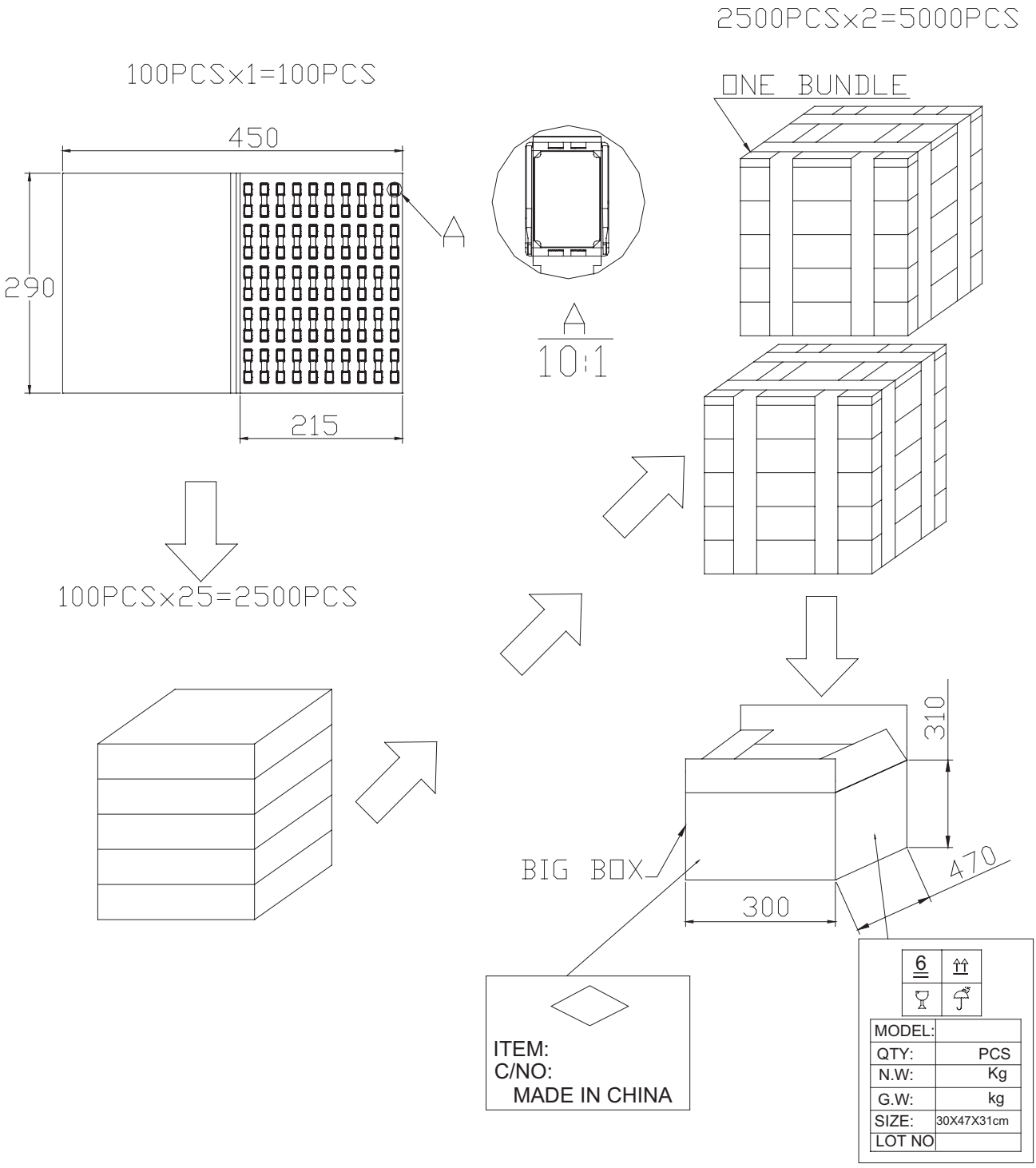
Test Conditions: 2.53 Vrms / 10 cm, in 3.5 cc box



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

rev.	description	date
1.0	initial release	03/22/2023

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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