CUDEVICES

MODEL: CMS-151103-16SP | **DESCRIPTION:** SPEAKER

FEATURES

- 0.7 W
- miniature
- PEEK cone
- solder pad

RoHS

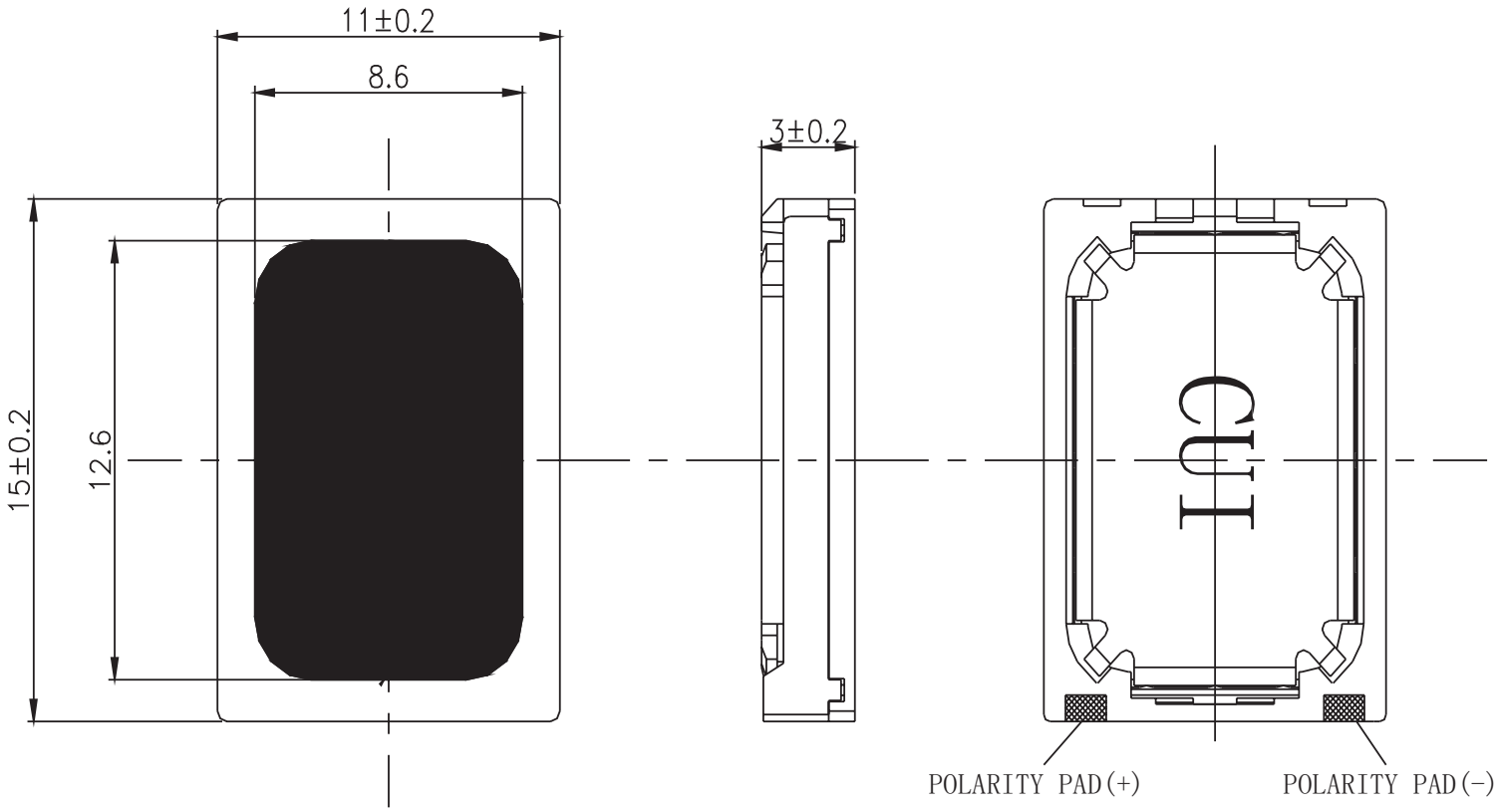
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: as per IEC-268-5, in 1 cc box		0.7	1.0	W
impedance	at 2.0 kHz, 2.05 Vrms	4.8	6.0	7.2	Ω
coil resistance		4	5	6	Ω
resonant frequency (Fo)	at 1.0 Vrms in free air, 10 cm at 2.05 Vrms in 1 cc box, 10 cm	480 760	600 950	720 1,140	Hz Hz
frequency response		100		20,000	Hz
sound pressure level	at 0.7 W, 10 cm, avg at 0.8, 1.0, 1.5, 2.0 kHz in 1 cc box	90	93	96	dB
distortion	at 800~1,200 Hz, 2.05 Vrms, 10 cm at 1,201~5,000 Hz, 2.05 Vrms, 10 cm			15 10	% %
buzz, rattle, etc.	must be normal at sine wave, 0.2~2 kHz, 1 cc box			2.05	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	15 x 11 x 3				mm
magnet	Nd-Fe-B				
frame material	PPA				
cone material	PEEK				
terminal	solder pads				
weight			1.5		g
operating temperature		-20		70	°C
storage temperature		-40		85	°C
hand soldering	for maximum 3 seconds			380	°C
RoHS	yes				

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

MECHANICAL DRAWING

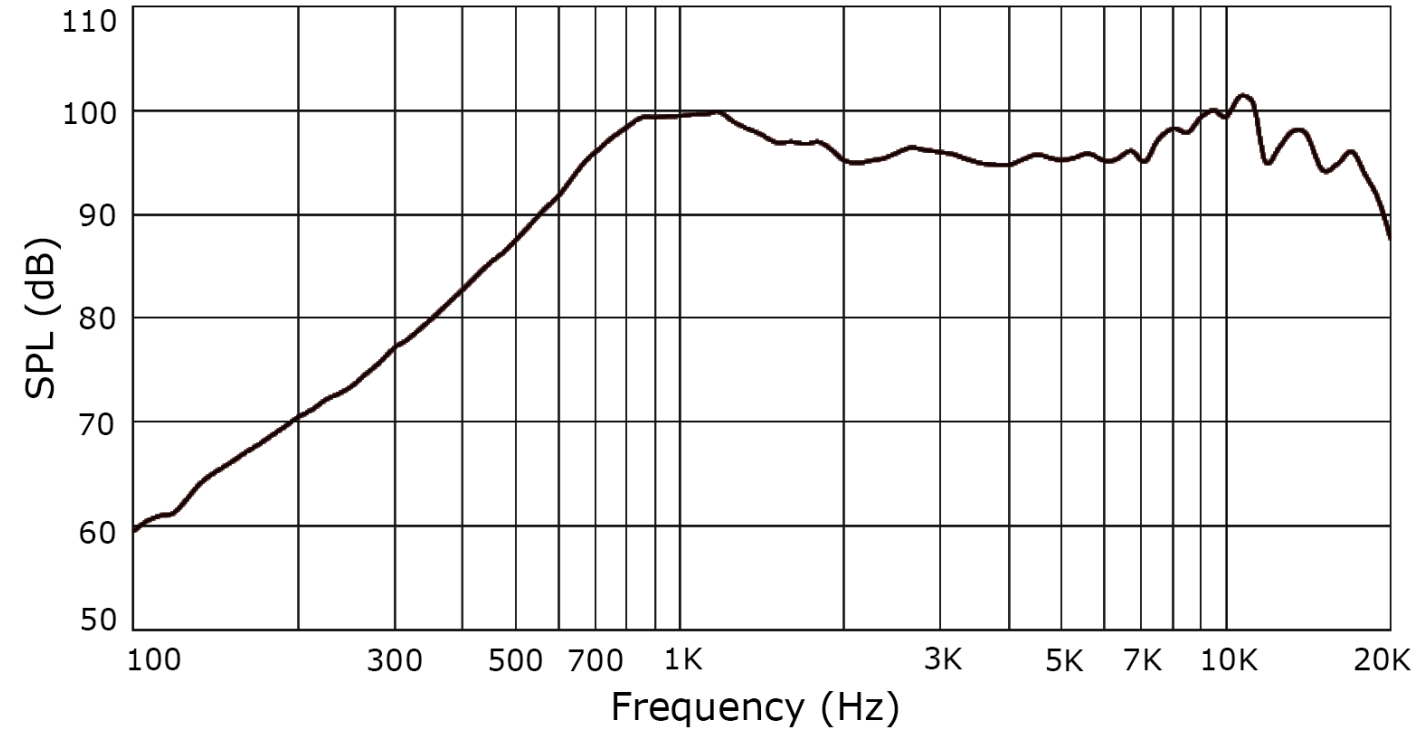
units: mm
tolerance: ±0.2 mm



RESPONSE CURVES

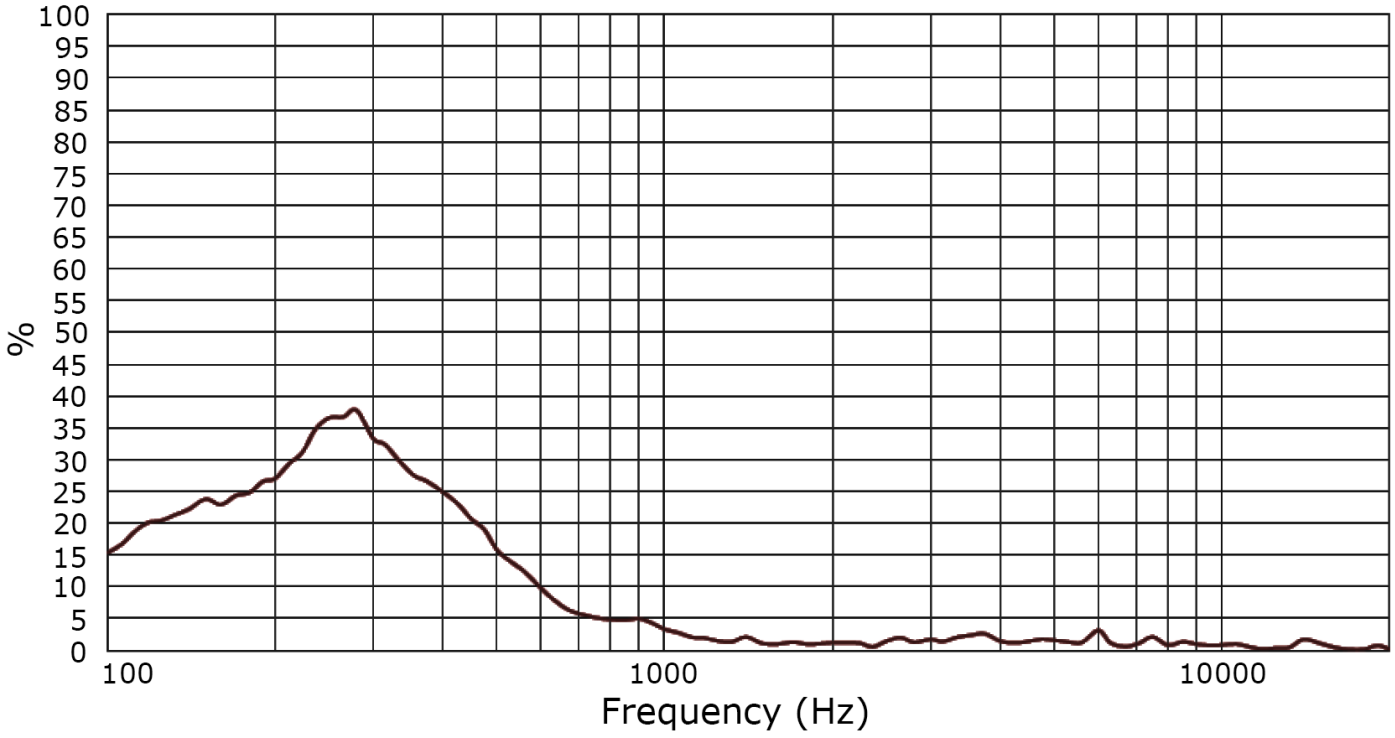
Frequency Response Curve

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



Total Harmonic Distortion Curve

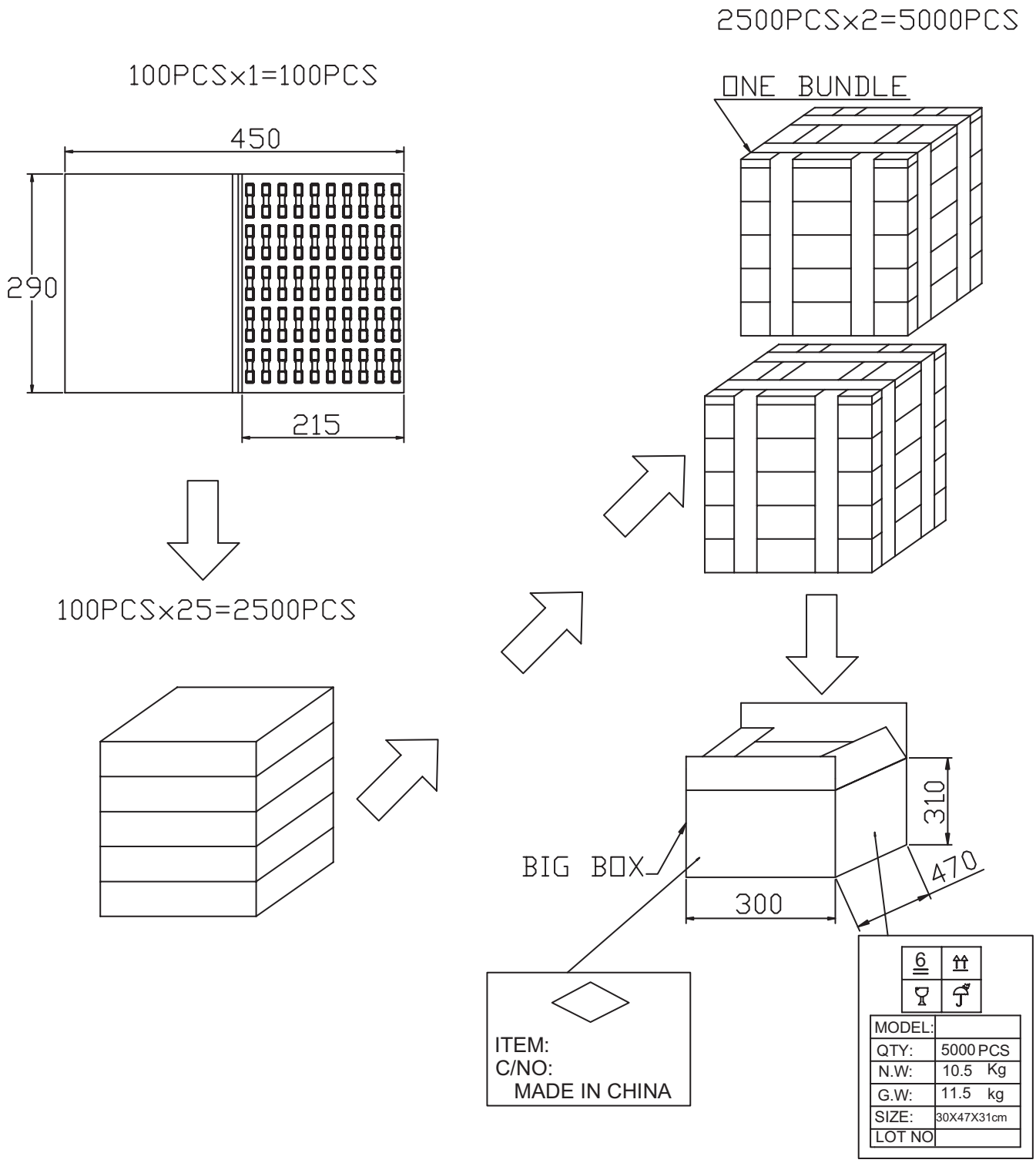
Test Conditions: 2.05 Vrms / 10 cm in 1 cc box



PACKAGING

units: mm

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



REVISION HISTORY

rev.	description	date
1.0	initial release	11/05/2019
1.01	logo, datasheet style update	08/05/2022

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

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