

MODEL: CMS-181345-18SP-X8 | **DESCRIPTION:** SPEAKER

FEATURES

- IPX8 rated
- rated 1.0 W
- 8 Ω

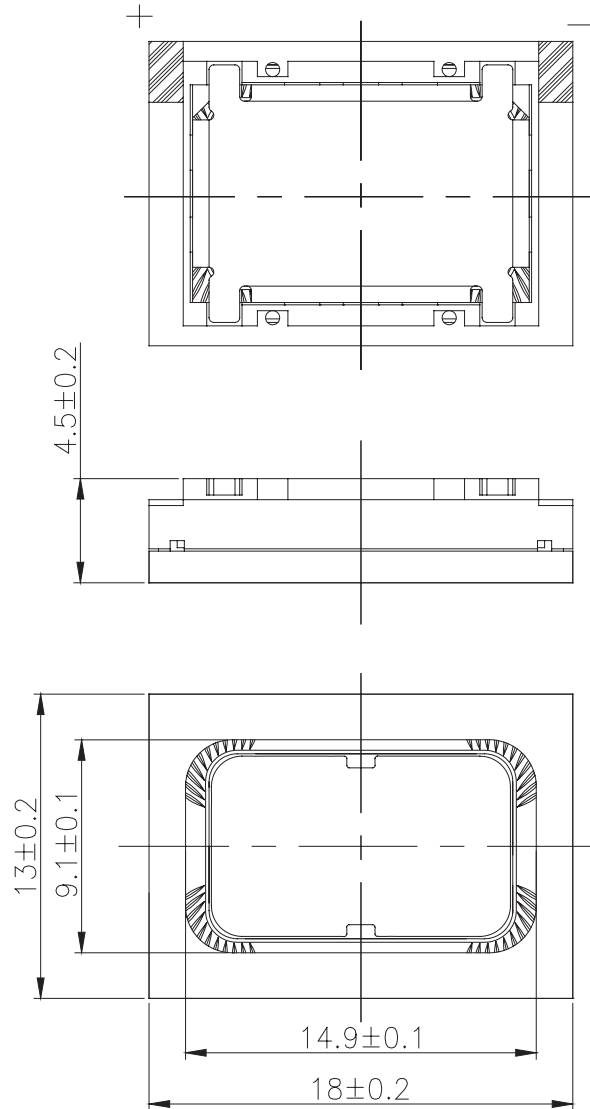

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: as per IEC-268-5, in 1 cc box		1.0	1.2	W
impedance	at 2.0 kHz, 2.83 Vrms	6.8	8	9.2	Ω
resonant frequency (Fo)	at 2.83 Vrms, 10 cm in free air	400	500	600	Hz
	at 2.83 Vrms, 10 cm in 1 cc box	760	950	1,140	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 2.83 Vrms, 10 cm, avg 0.8, 1.0, 1.5, 2.0 kHz, 1 cc box	97	100	103	dB
distortion	at 800~8 kHz, rated power, 10 cm in 1 cc box			5	%
buzz, rattle, etc.	must be normal at sine wave, frequency range in 1 cc box			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	18 x 13 x 4.5				mm
magnet	Nd-Fe-B				
frame material	PPA				
cone material	PEEK				
terminal	solder pads				
weight			2.8		g
operating temperature		-20		70	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds			380	$^{\circ}\text{C}$
RoHS	yes				
IP level	IPX8 (front side)				

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

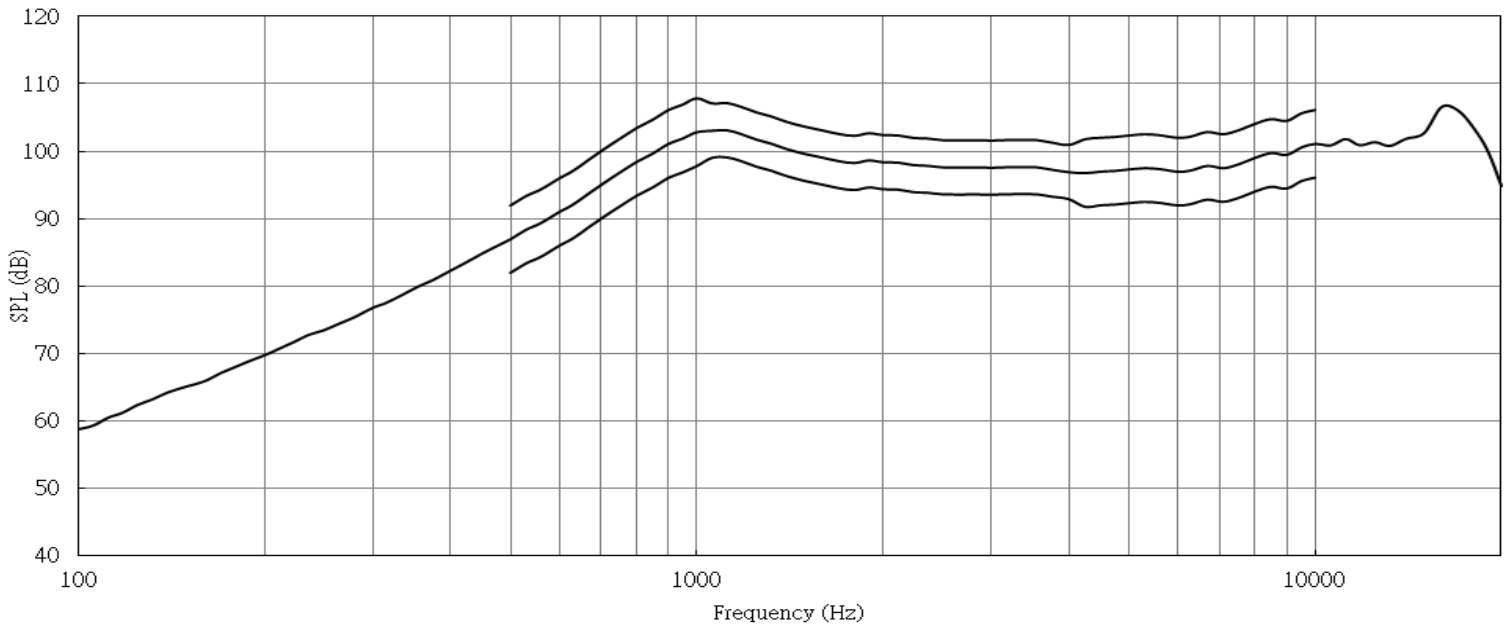
units: mm
tolerance: ± 0.2 mm



RESPONSE CURVES

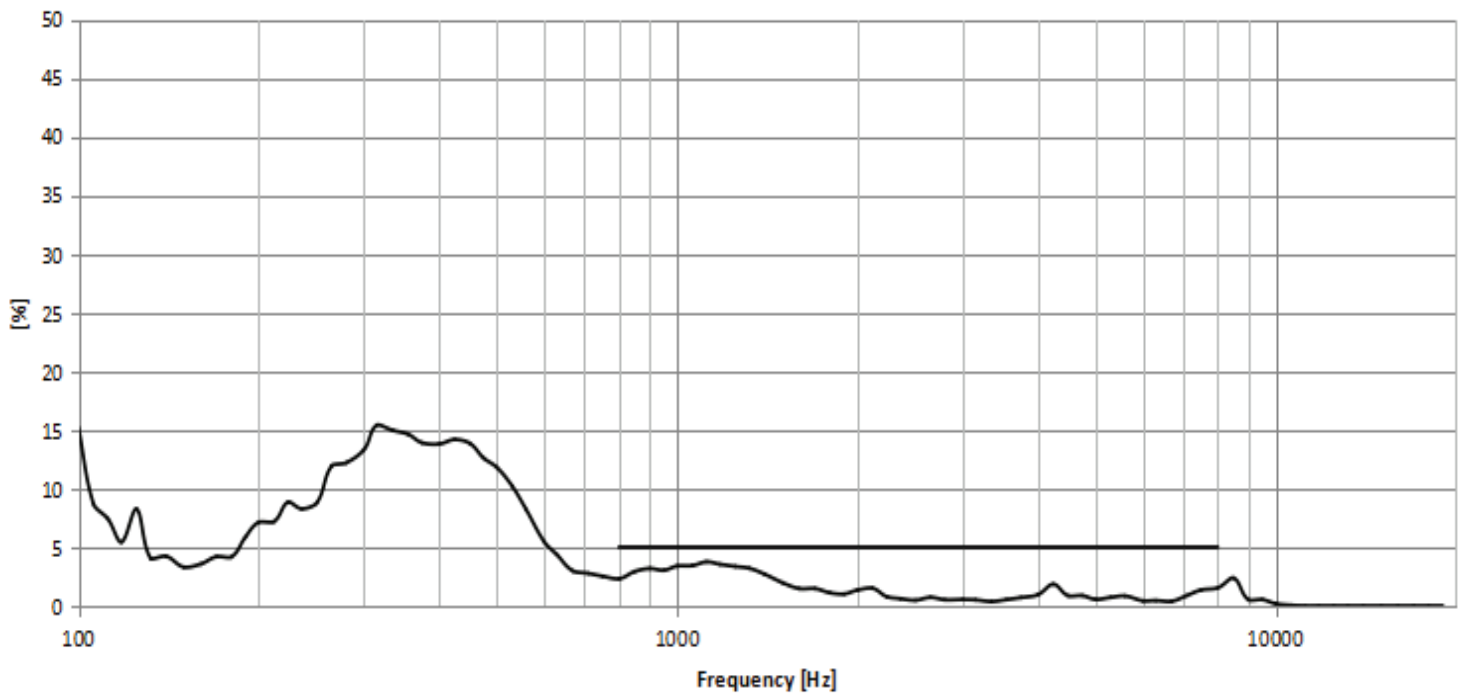
Frequency Response Curve

Test Conditions: 2.83 Vrms / 10 cm in 1 cc box



Total Harmonic Distortion Curve

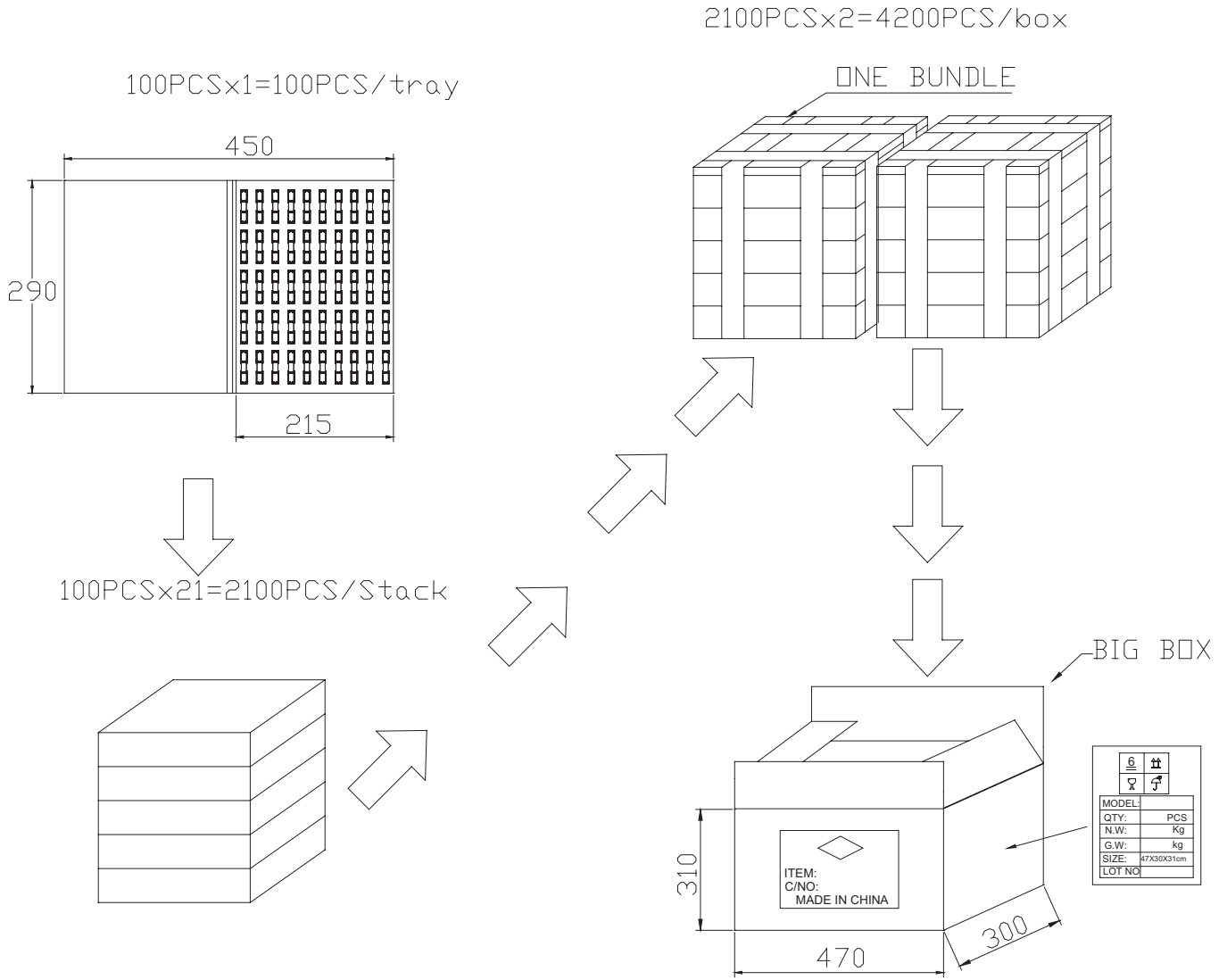
Test Conditions: 2.83 Vrms / 10 cm in 1 cc box



PACKAGING

units: mm

Tray QTY: 100 pcs per tray
 Carton Size: 470 x 300 x 310 mm
 Carton QTY: 4,200 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	03/22/2023
1.01	CUI Devices rebranded to Same Sky	09/11/2024

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



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

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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