

MODEL: CMS-171233-18SP-X8 | DESCRIPTION: SPEAKER

FEATURES

- IPX8 rated
- rated 1 W
- •8Ω



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SPECIFICATIONS

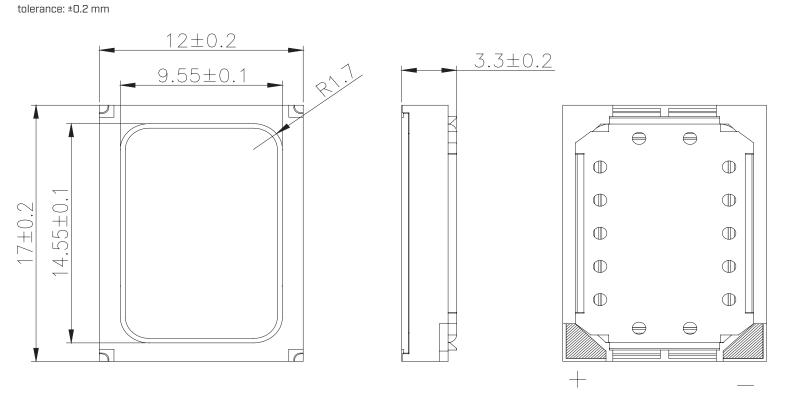
parameter	conditions/description	min	typ	max	units
input power	max power: as per IEC-268-5, in 1 cc box		1.0	1.2	W
impedance	at 2.0 kHz, 2.83 Vrms in 1 cc box	6.8	8	9.2	Ω
resonant frequency (Fo)	in 1 cc box	800	1,000	1,200	Hz
frequency response		Fo		10,000	Hz
sound pressure level	at 2.83 Vrms, 10 cm, 2.0 kHz, 1 cc box	93	96	99	dB
distortion	at 1.0 kHz, rated power, 10 cm in 1 cc box			10	%
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	17 x 12 x 3.3				mm
magnet	Nd-Fe-B				
frame material	PPA				
cone material	PEEK				
terminal	solder pads				
weight			2.1		g
operating temperature		-20		70	°C
storage temperature		-40		85	°C
hand soldering	for maximum 3 seconds			380	°C
RoHS	yes				
IP level	IPX8 (front side)				

Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

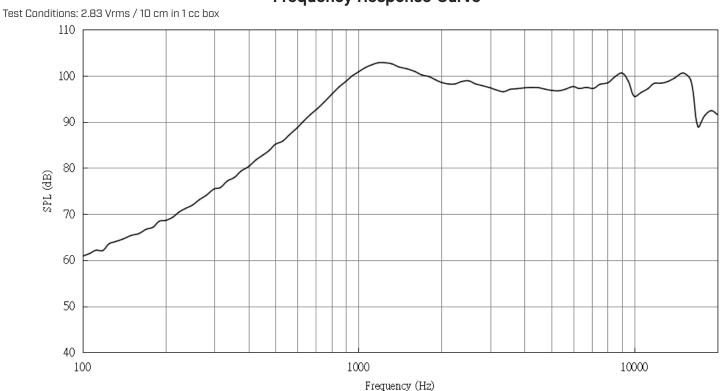
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MECHANICAL DRAWING

units: mm

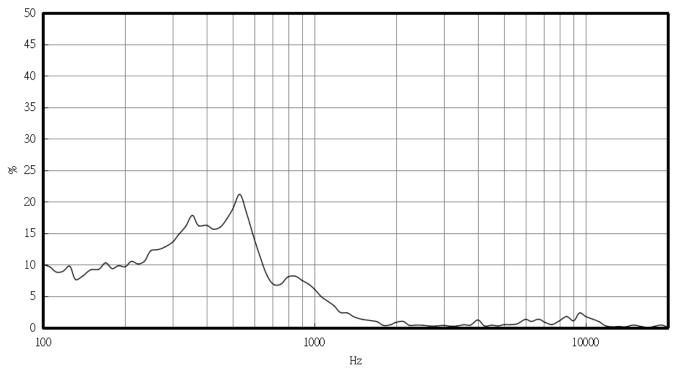


RESPONSE CURVES



Frequency Response Curve

Total Harmonic Distortion Curve



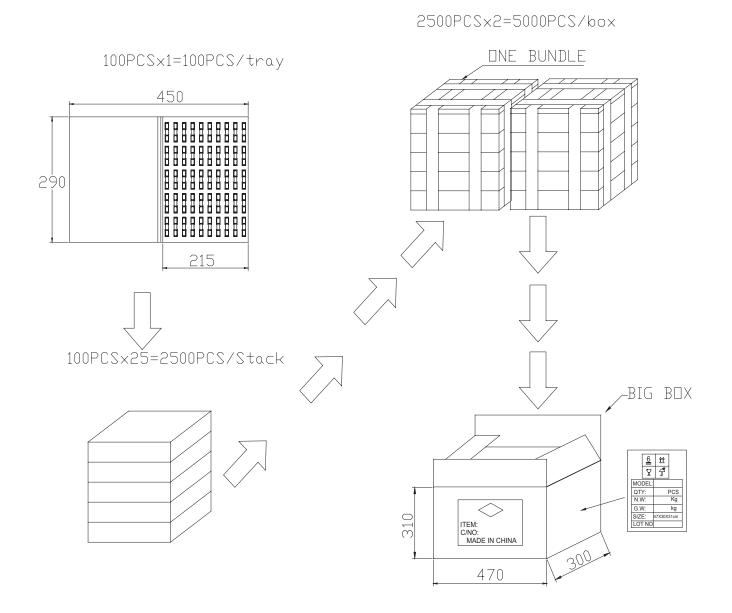
Test Conditions: 2.83 Vrms / 10 cm in 1 cc box

PACKAGING

units: mm

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

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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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