

MODEL: CMS-151103-18S-X8 | DESCRIPTION: SPEAKER

FEATURES

- IPX8 rated
- rated 1.0 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	1.3	W
impedance	at 2.0 kHz, 2.83 Vrms	6.8	8	9.2	Ω
coil resistance		6.48	7.2	7.92	Ω
resonant frequency (Fo)	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	92	95	98	dB
distortion	at 2.0 kHz, 2.83 Vrms, 10 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, 0.2~ 2 kHz in 1 cc box			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	15 x 11 x 3.0				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.

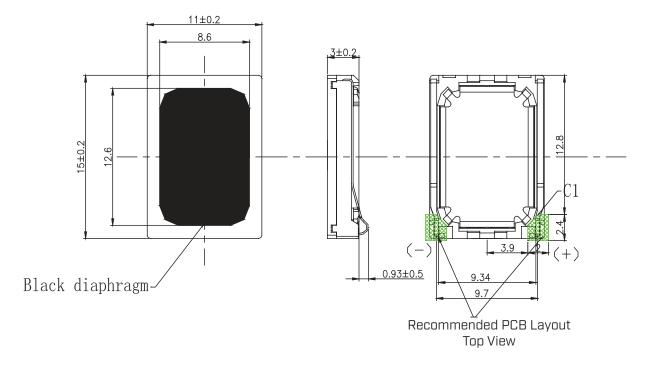
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MECHANICAL DRAWING

units: mm tolerance: ±0.2 mm

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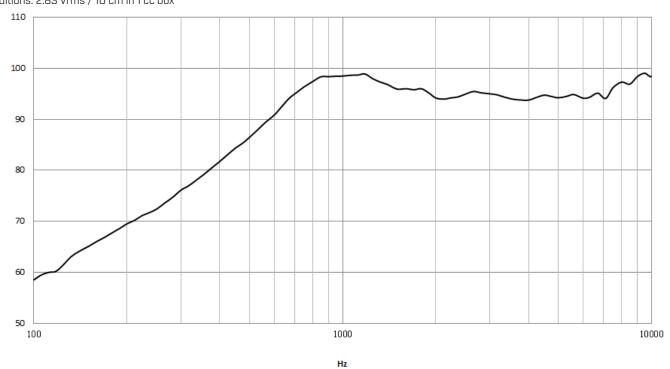


Frequency Response Curve

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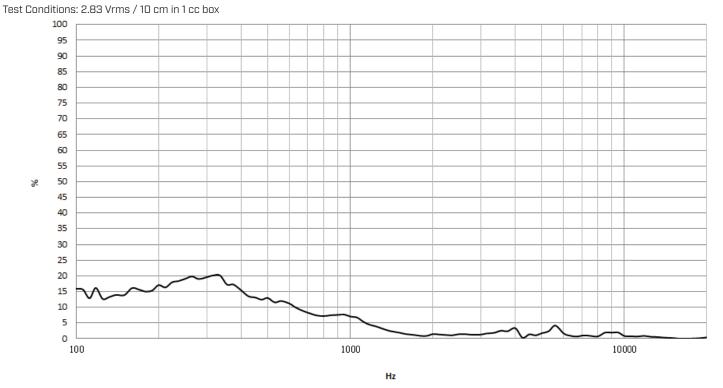
RESPONSE CURVES

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

Total Harmonic Distortion Curve



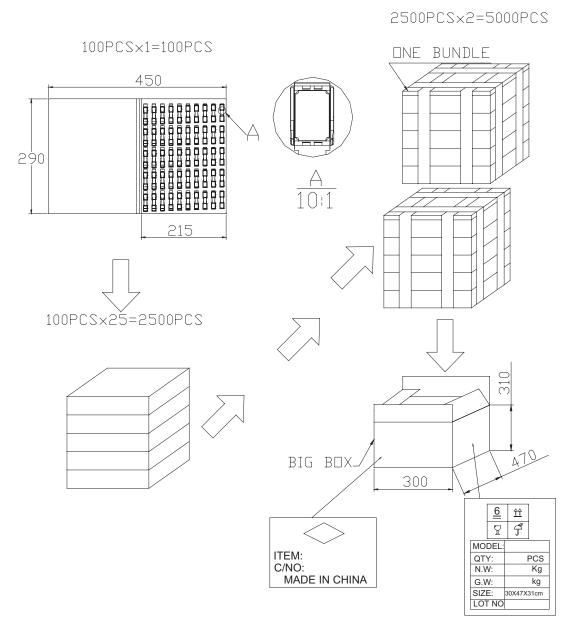
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PACKAGING

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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