



MODEL: CMS-15118D-SP | DESCRIPTION: SPEAKER

FEATURES

- micro-speaker
- small footprint
- low profile
- 8 ohm impedance



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp in 1 cc closed box		0.7	1.0	W
impedance	at 2.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1 cc closed box	425 807.5	500 950	575 1092.5	Hz Hz
frequency response	output SPL ± 10 dB	Fo		10,000	Hz
sound pressure level	at 0.7 W, 0.1 m, at 1.0 kHz in 1 cc closed box	88	91	94	dB
distortion	at 1.0 kHz, 0.7 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20 kHz in 1 cc closed box		2.37		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	15 x 11 x 3				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	PEEK				
terminal	solder pads				
weight			1.5		g
operating temperature		-30		75	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				

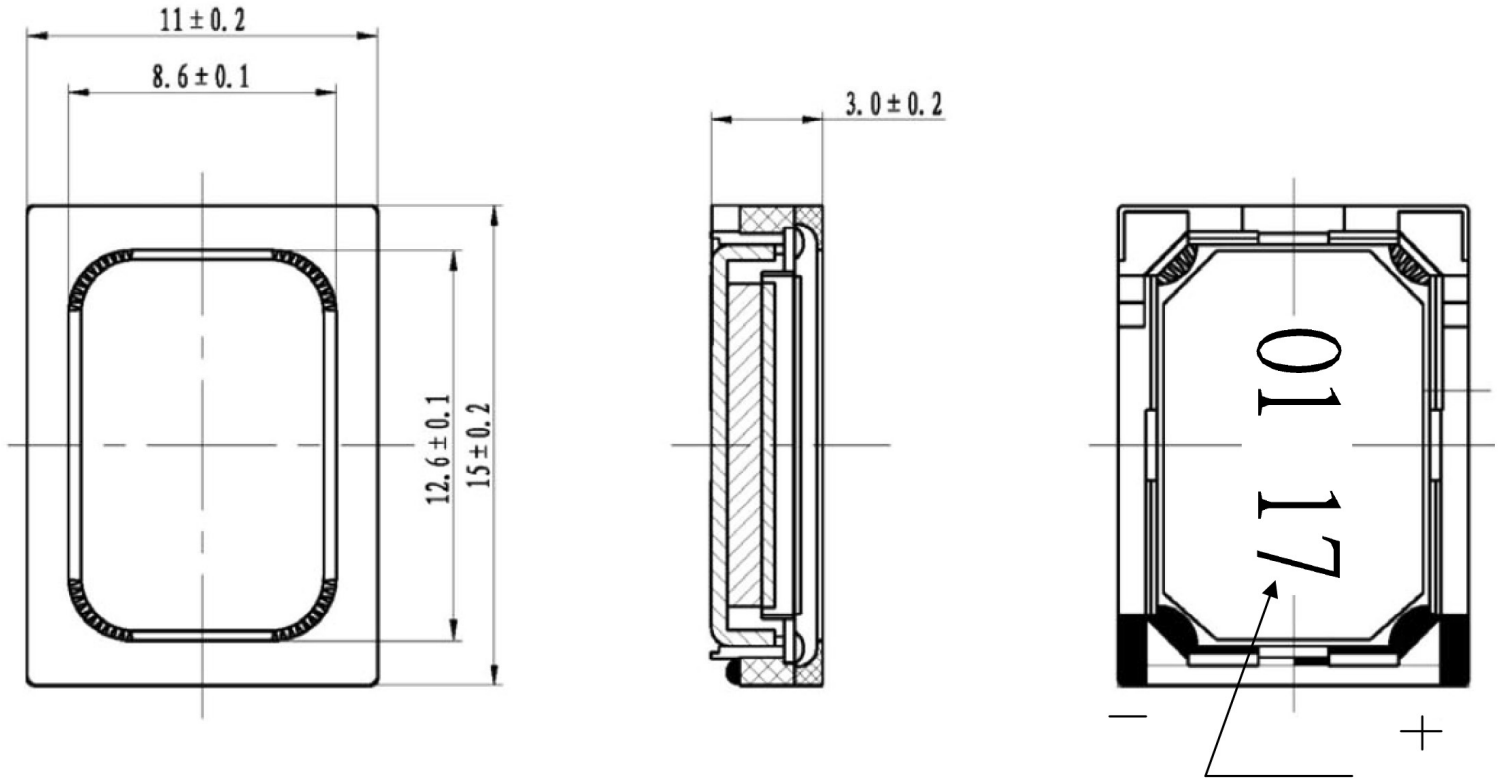
Notes: 1. All specifications measured at 5-35 $^{\circ}\text{C}$, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	370	380	390	$^{\circ}\text{C}$

MECHANICAL DRAWING

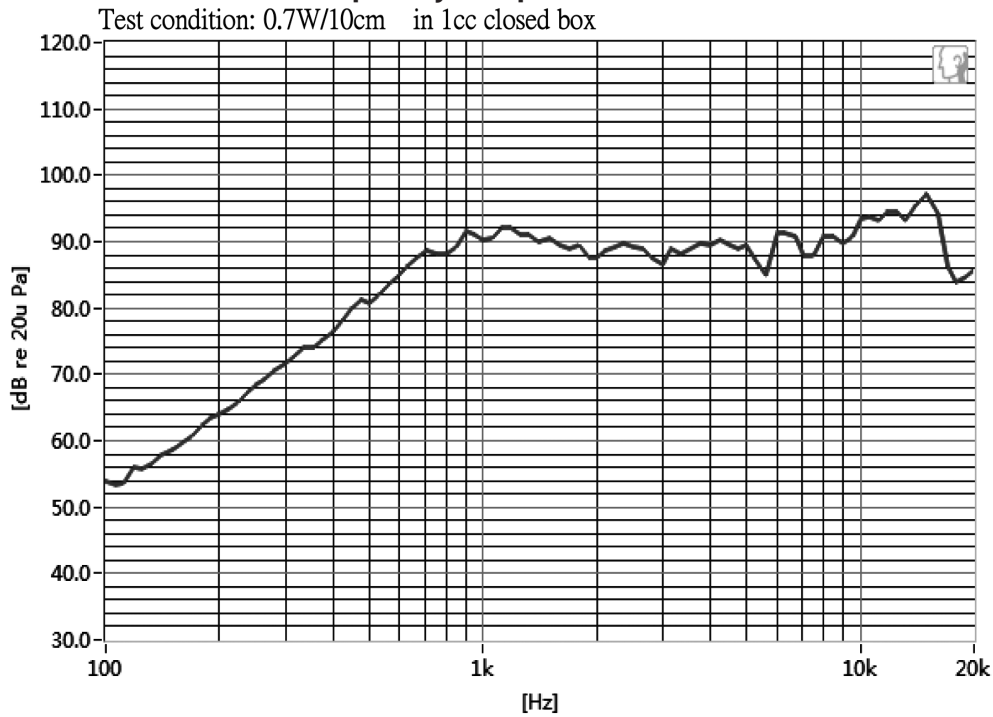
units: mm
tolerance: ± 0.2 mm



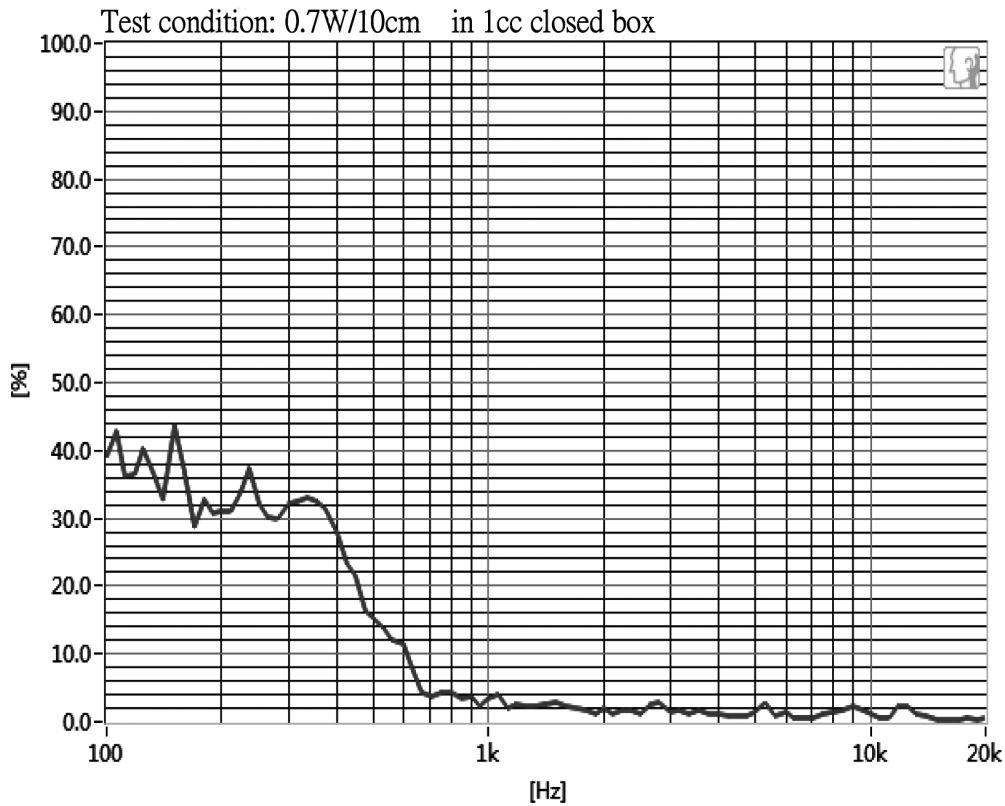
W	W	Y	Y
01		17--2017	
02		18--2018	

RESPONSE CURVES

Frequency Response Curve



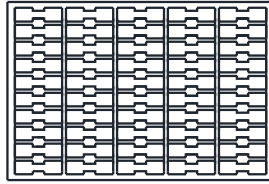
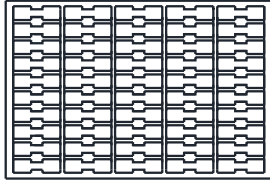
Total Harmonic Distortion Curve



PACKAGING

units: mm

Tray Size: 220 x 300 x 8 mm
 Carton Size: 460 x 320 x 120 mm
 Tray QTY: 100 pcs per tray
 Carton QTY: 2,000 pcs per carton

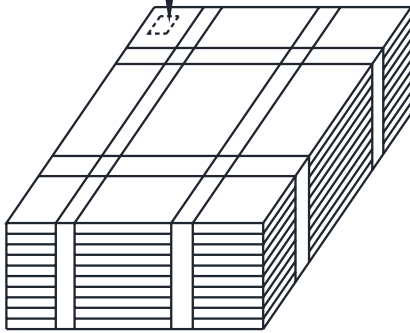


Paper+Bubble cotton(100 PCS)

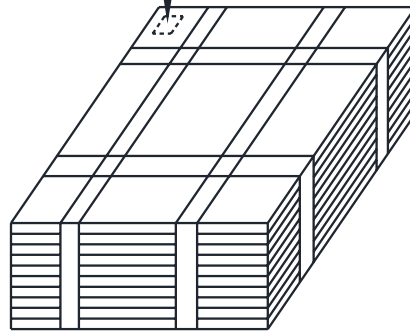
220×300×8

Paper+Bubble cotton(100 PCS)

220×300×8



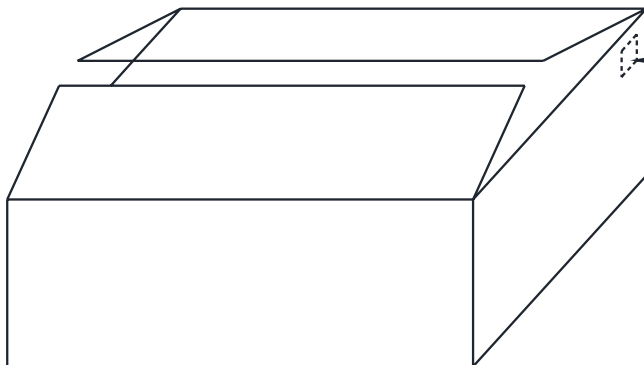
1000PCS
220×300×85



1000PCS
220×300×85

Lot No.	XXXXXXXXXX
Model No.	Inv#. Part#.
Quantity.	XXXX Pcs
Date:	
	DD MM YY
MADE IN CHINA	

* The label stucked on inner boxes and the outer of carton.



CARTON BOX(2000PCS)
460×320×120

REVISION HISTORY

rev.	description	date
1.0	initial release	07/06/2017
1.01	brand update	01/21/2020
1.02	logo, datasheet style update	08/05/2022
1.03	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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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.

[sameskydevices.com](https://www.sameskydevices.com)