CUI Devices is now Same Sky! Learn More

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

FEATURES

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

RoHS

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	°C
storage temperature		-40		85	°C
RoHS	yes				

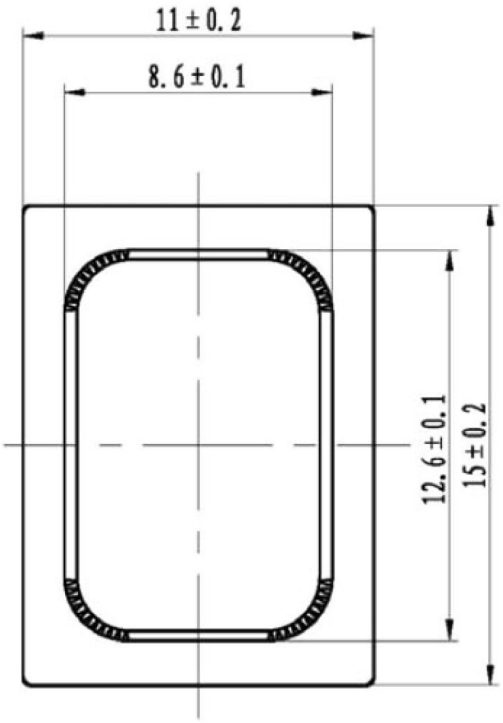
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

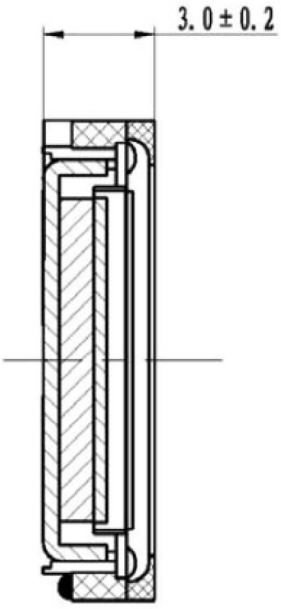
SOLDERABILITY

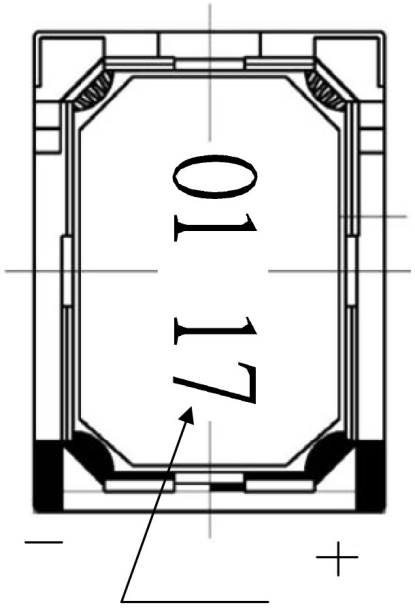
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	370	380	390	°C

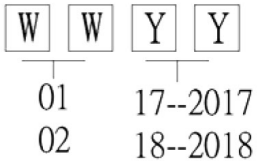
MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm



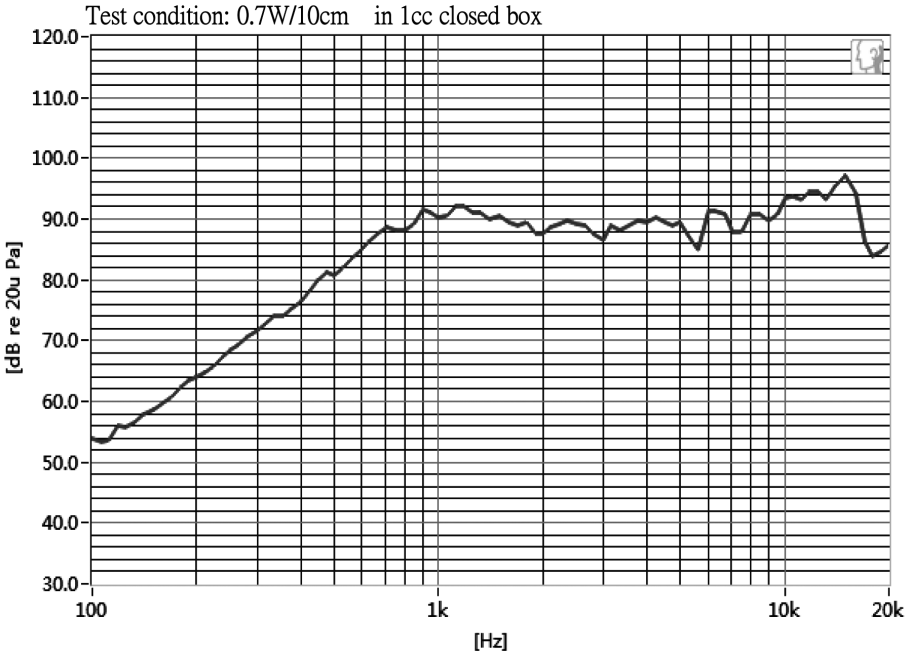




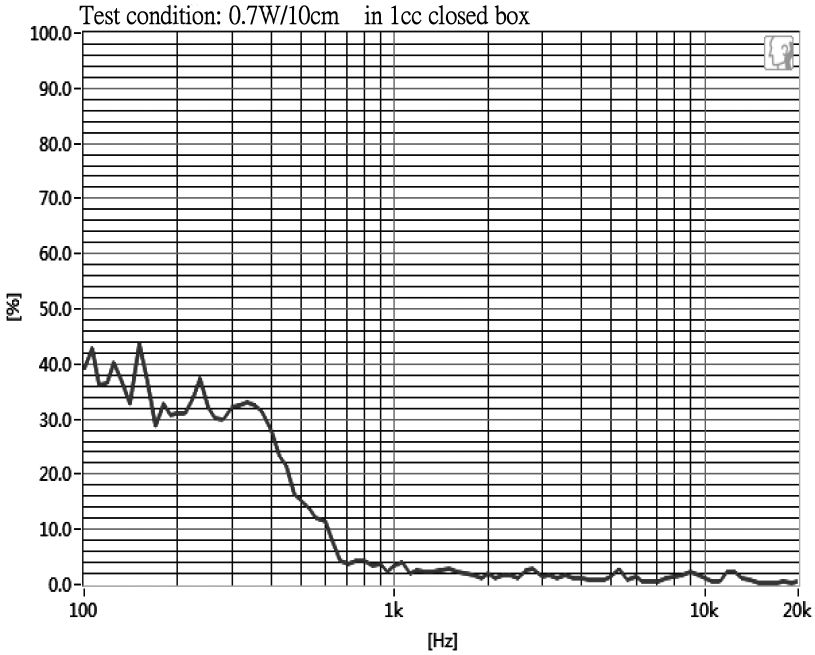


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



THIELE-SMALL PARAMETERS

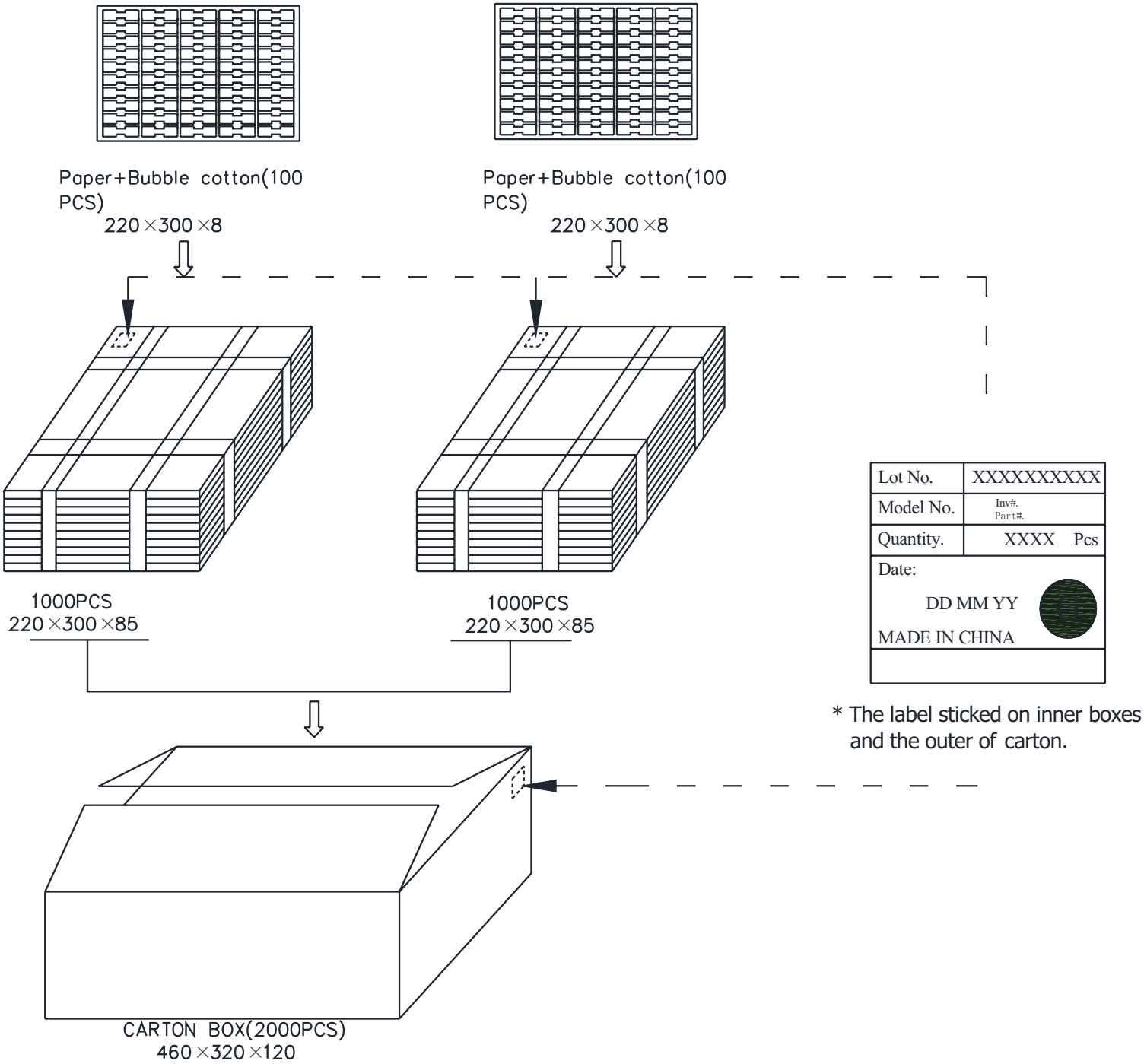
parameter	conditions/description	typ
Mechanical Q Factor	Qms	3.416
Electrical Q Factor	Qes	5.691
Total Q Factor	Qts	2.135
Compliance Equivalent Volume	Vas	0.0012

Notes: 2. Results represent typical performance in Free Air conditions.

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



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
1.04	added Thiele-Small Parameters	02/07/2025

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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