CUI Devices is now Same Sky! Learn More

MODEL: CMS-25145-28SP-67 | DESCRIPTION: SPEAKER

FEATURES

- 1.0 W rated power
- 8 ohm rated impedance
- IP67 rated

RoHS IP67

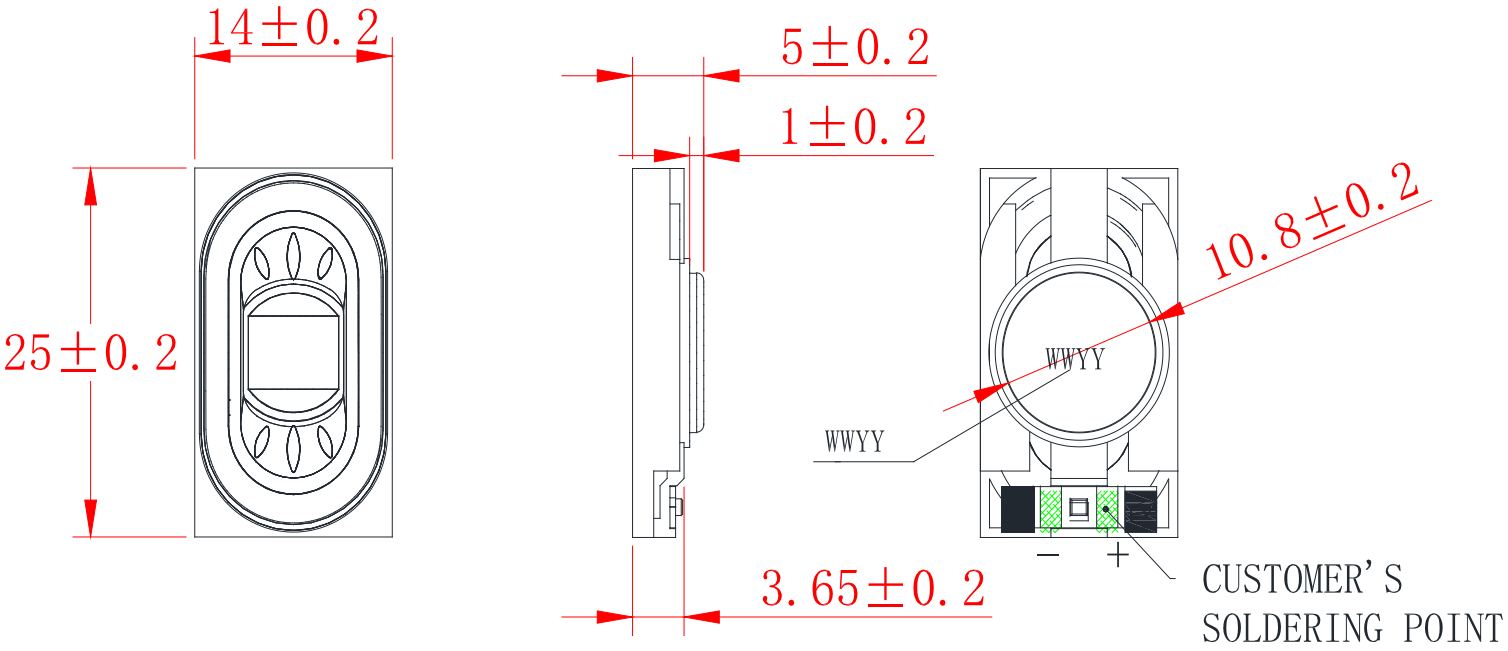
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles (room temp)		1.0	1.5	W
impedance	at 1.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	520	650	780	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.0 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	90	93	96	dB
distortion	at 1.0 kHz, 1.0 W			10	%
buzz, rattle, etc.	must be normal at sine wave, Fo~20 kHz			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	25.0 x 14.0 x 5.0				mm
magnet	Nd-Fe-B				
frame material	PBT				
cone material	PU-PEI				
terminal	solder pads				
weight			1.8		g
operating temperature		-25		70	°C
storage temperature		-25		70	°C
hand soldering	for maximum 3 seconds	370	380	390	°C
RoHS	yes				
IP level	IP67 (front side)				

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

MECHANICAL DRAWING

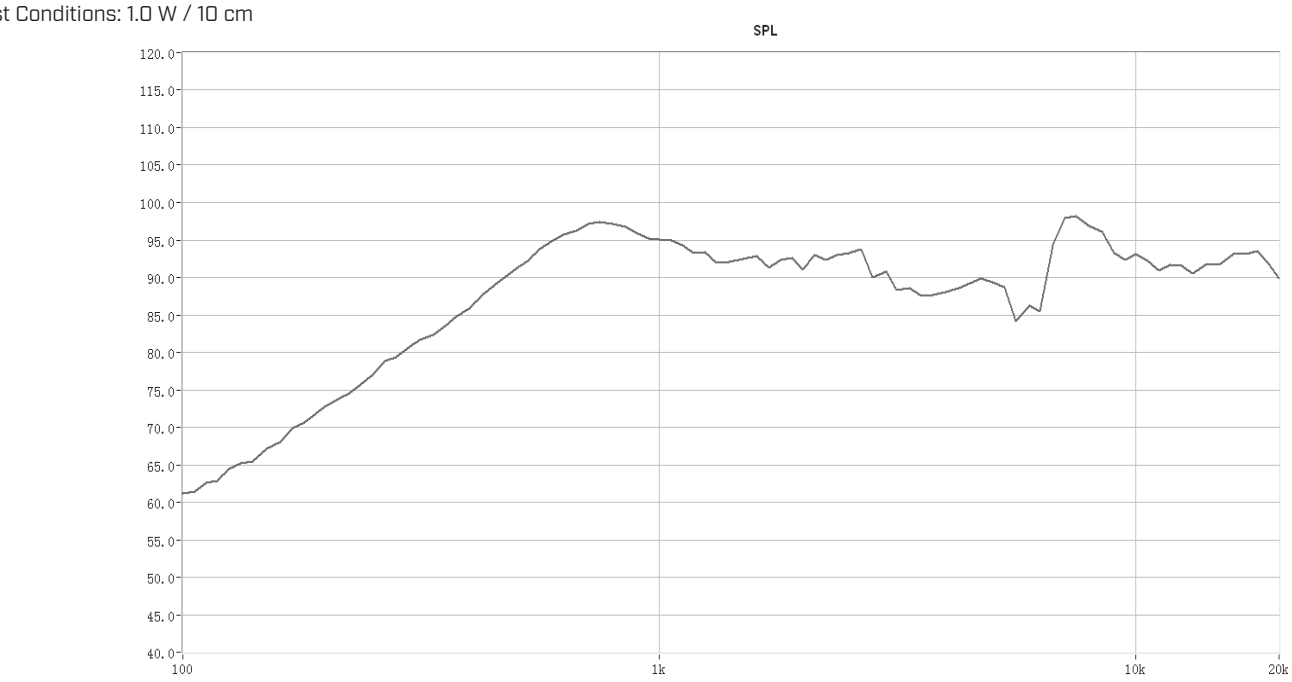
units: mm
tolerance: ±0.5 mm



RESPONSE CURVES

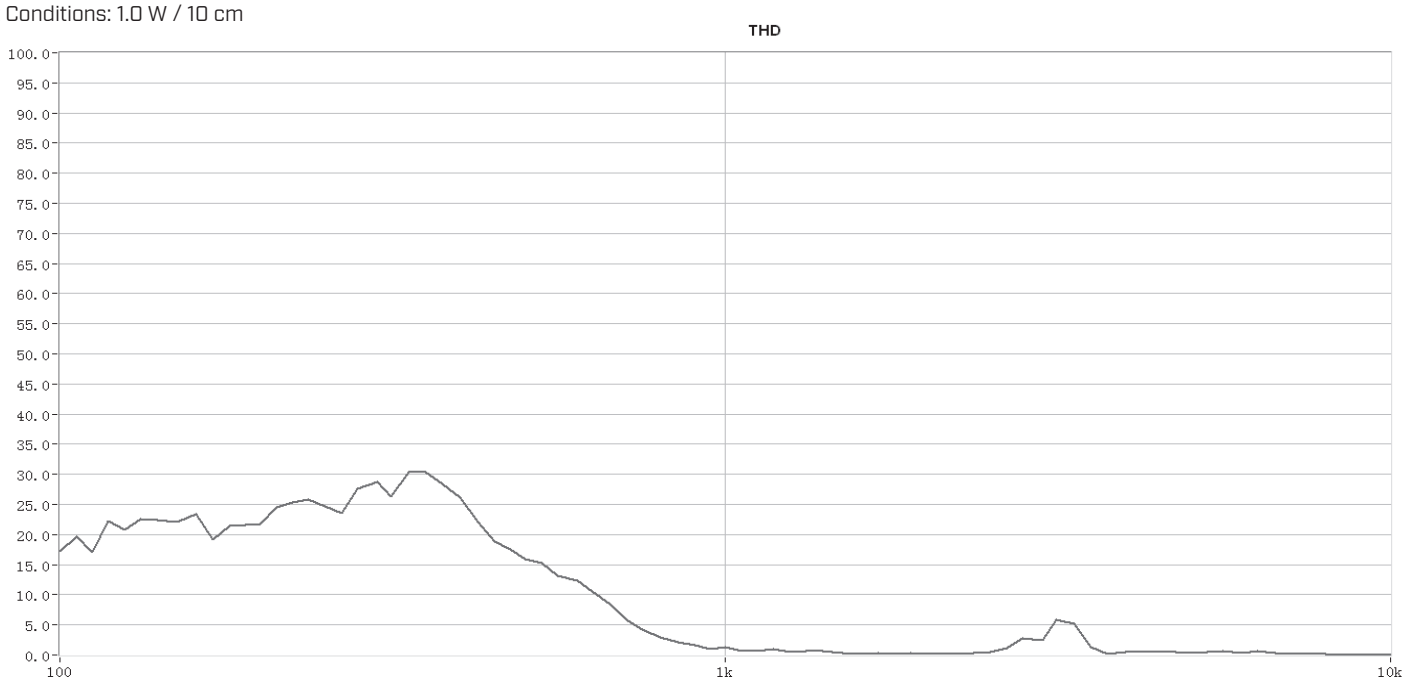
Frequency Response Curve

Test Conditions: 1.0 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm



THIELE-SMALL PARAMETERS

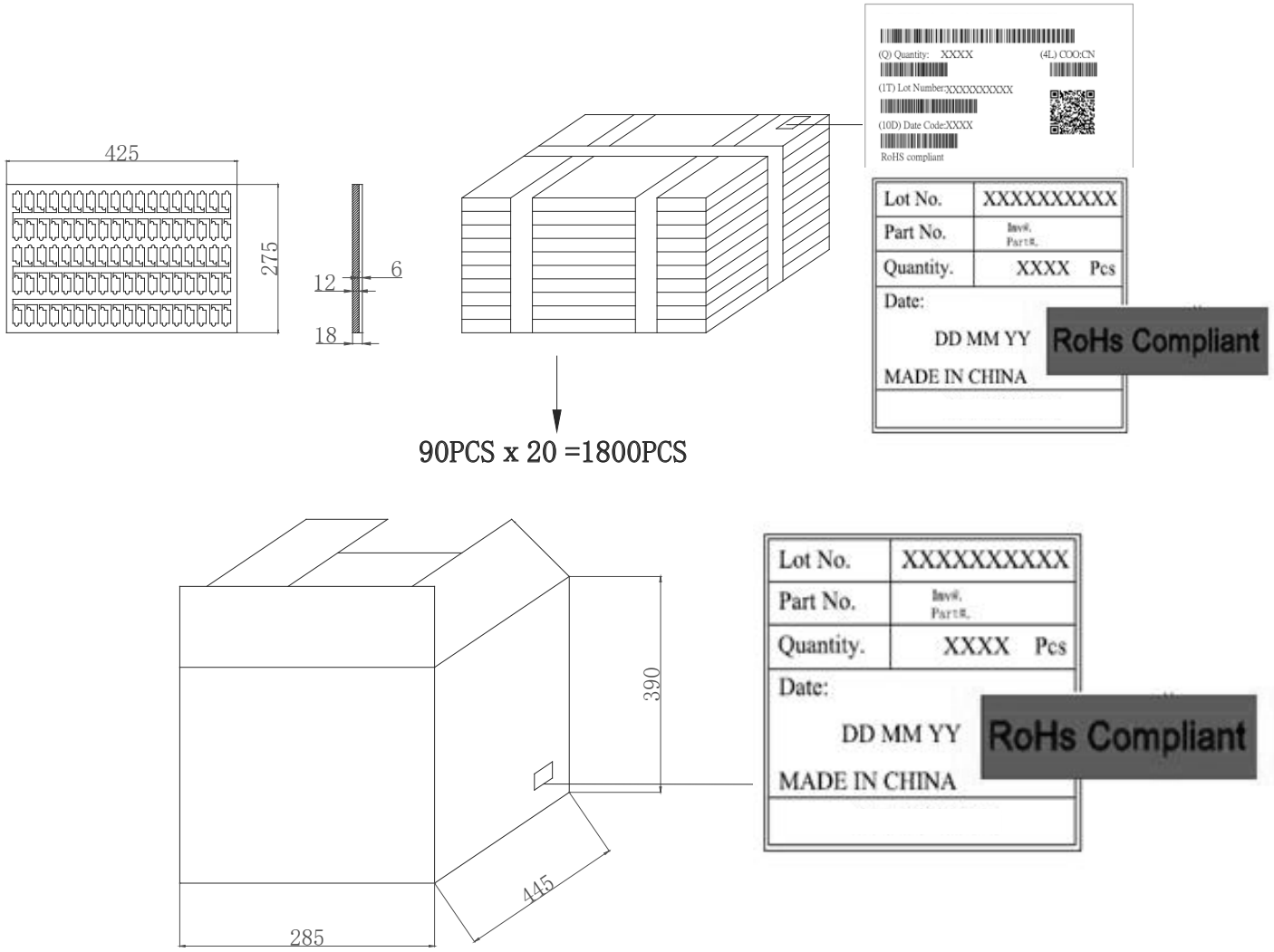
parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.852
Electrical Q Factor	Qes	38.044
Total Q Factor	Qts	2.653
Compliance Equivalent Volume	Vas	0.0027

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

PACKAGING

units: mm

Tray Size: 425 x 275 x 18 mm
Tray QTY: 90 pcs per tray
Carton Size: 445 x 285 x 390 mm
Carton QTY: 1,800 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	06/08/2020
1.01	added date code marking	01/05/2021
1.02	logo, datasheet style update	08/05/2022
1.03	modified design	11/01/2023
1.04	CUI Devices rebranded to Same Sky	09/11/2024
1.05	added Thiele-Small Parameters	02/07/2025
1.06	added soldering point details	06/23/2025

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

same sky

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

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