

**MODEL:** CMS-305-158SP-67 | **DESCRIPTION:** SPEAKER**FEATURES**

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

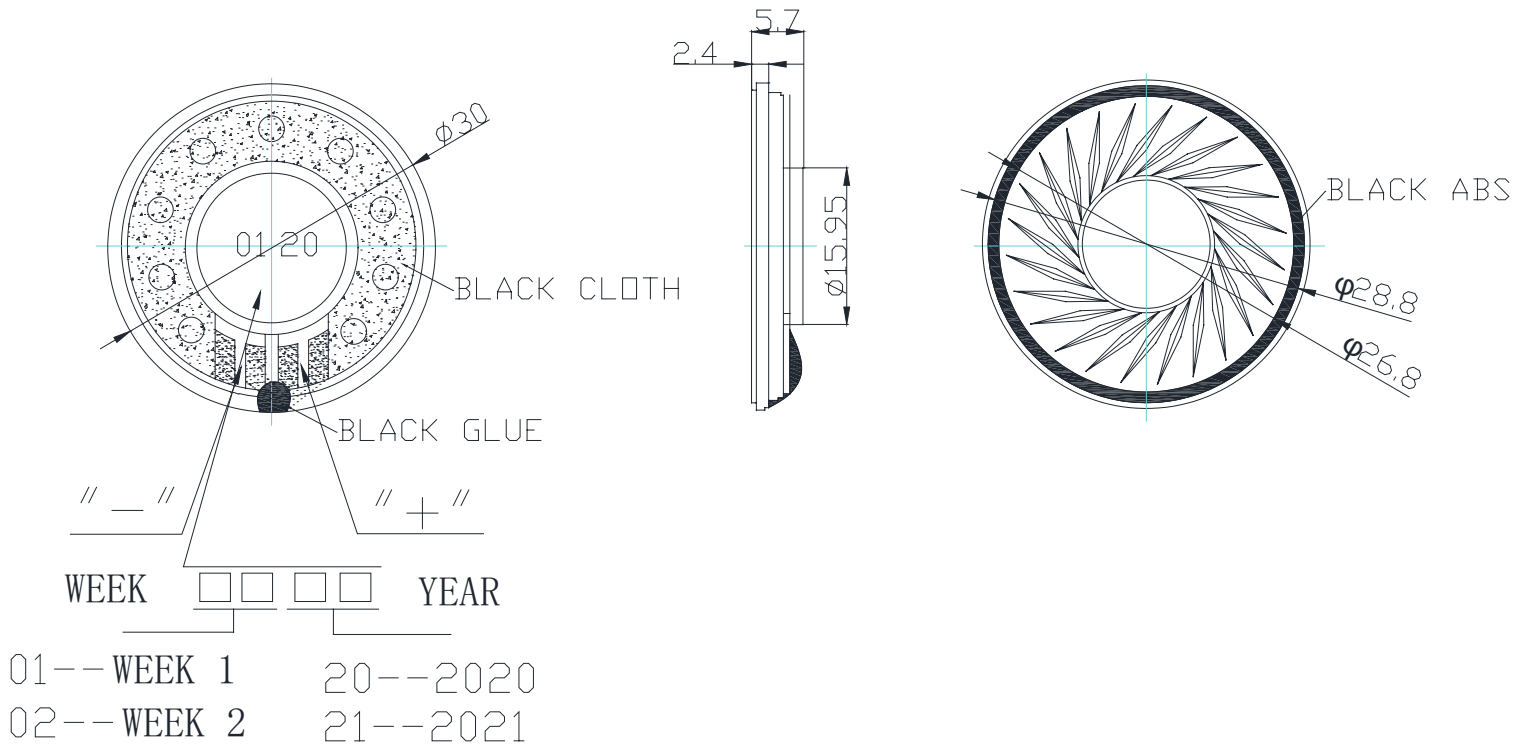
**SPECIFICATIONS**

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)		1.5	2.0	W
impedance	at 2.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	440	550	660	Hz
frequency response		Fo		10,000	Hz
sound pressure level	at 0.1 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz at 1.5 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	87 94	90 97	93 100	 dB
distortion	at 1.5 kHz, 1.0 W, 0.1m			5	%
buzz, rattle, etc.	must be normal at sine wave, Fo~20 kHz			3.46	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 30.0 \times 5.7$				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PEI				
terminal	solder pads				
weight			7.7		g
operating temperature		-30		70	$^{\circ}\text{C}$
storage temperature		-40		80	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds	370	380	390	$^{\circ}\text{C}$
RoHS	yes				
IP level	IP67 (front side)				

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

MECHANICAL DRAWING

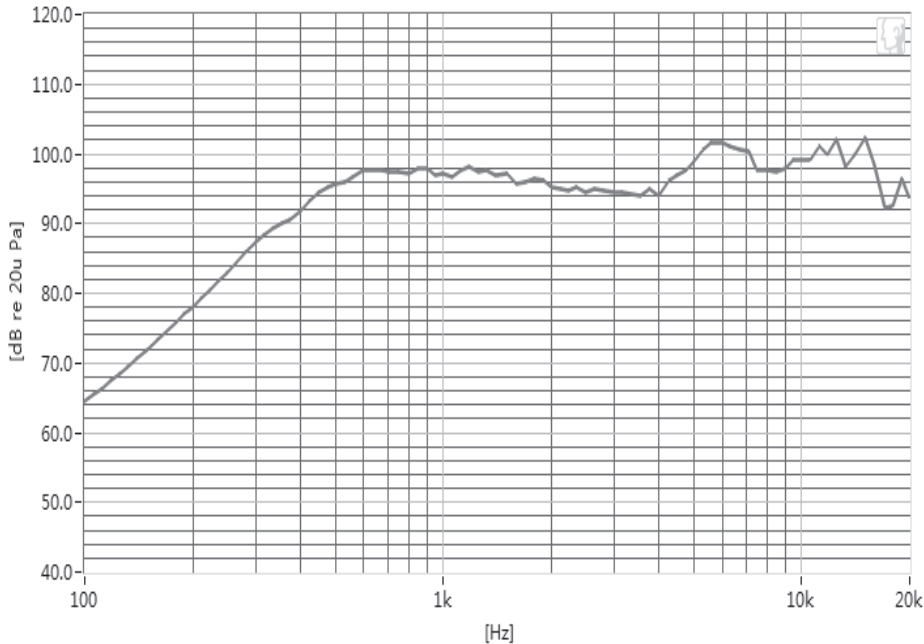
units: mm
tolerance: ± 0.2 mm



RESPONSE CURVES

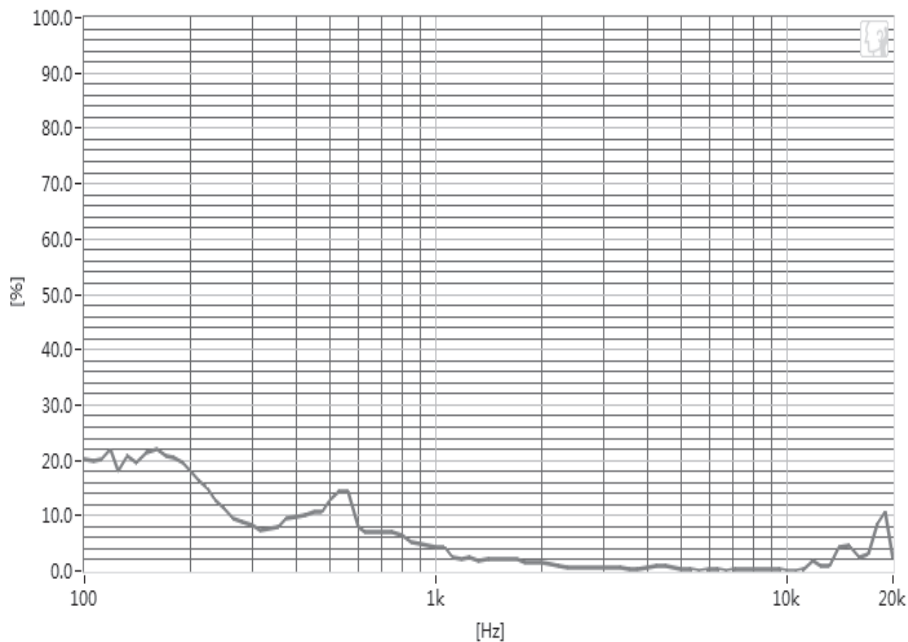
Frequency Response Curve

Test Conditions: 1.5 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 1.5 W / 10 cm



THIELE-SMALL PARAMETERS

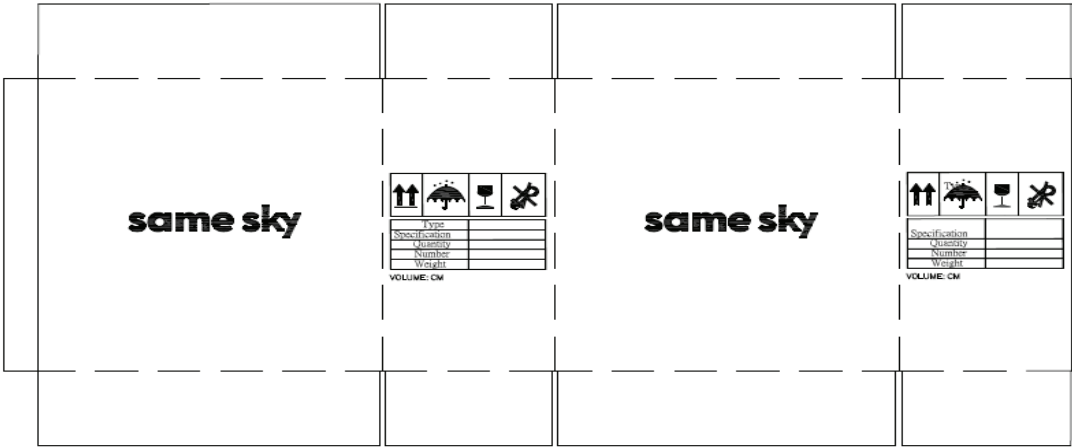
parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.482
Electrical Q Factor	Qes	8.437
Total Q Factor	Qts	1.918
Compliance Equivalent Volume	Vas	0.0117

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

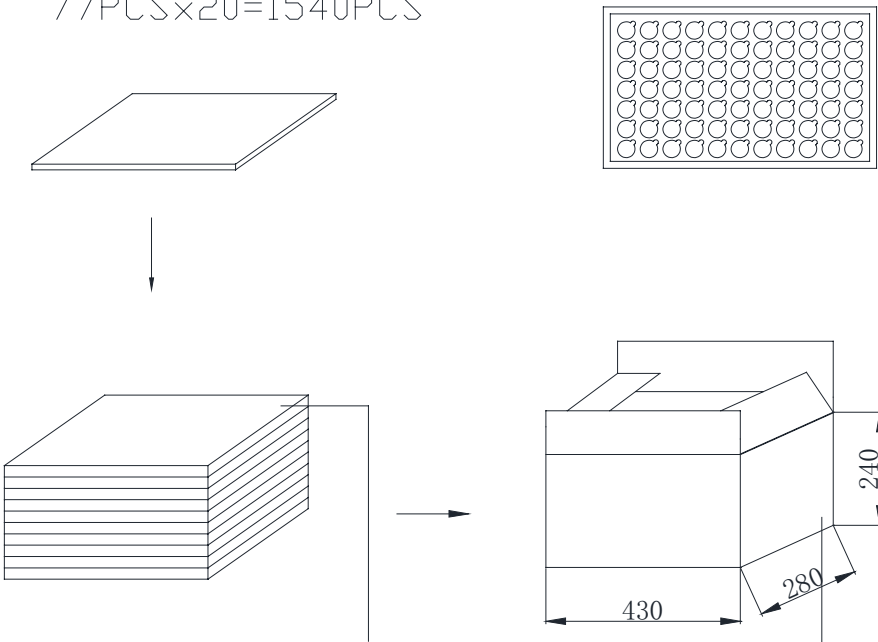
PACKAGING

units: mm

Tray Size: 400 x 260 x 10 mm
Tray QTY: 77 pcs per tray
Carton Size: 430 x 280 x 240 mm
Carton QTY: 1,540 pcs per carton



$77\text{PCS} \times 20 = 1540\text{PCS}$



(1P)Same Sky Catalog#: XXXXXXXXXX
XXXXXX
(Q)Quantity: XXXX
(1T)Lot Number: XXXXXXXXXX
(10D)Date Code: XXXX
RoHS compliant

(4L)COO:CN
XXXXXX
RoHS Compliant

Lot No.	XXXXXXXXXX
Part No.	Inv#. XXXXXXXXXX Part#. XXXXXXXXXX
Quantity	XXXX Pcs
Date:	WW YY
MADE IN CHINA	
Same Sky	

Lot No.	XXXXXXXXXX
Part No.	Inv#. XXXXXXXXXX Part#. XXXXXXXXXX
Quantity	XXXX Pcs
Date:	WW YY
MADE IN CHINA	
Same Sky	

REVISION HISTORY

rev.	description	date
1.0	initial release	06/08/2020
1.01	added date code marking	01/04/2021
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	02/04/2025

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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