



MODEL: CSS-40408N

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DESCRIPTION: SPEAKER

FEATURES

- 100 dB SPL
- 440 Hz resonant frequency
- Nd-Fe-B magnet



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		5.0	8.0	W
impedance	at 1.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	352	440	528	Hz
frequency response	output SPL -10 dB	Fo		20,000	Hz
sound pressure level	at 1 W, 0.1 m ave, at 0.6, 0.8, 1.0, 1.2 kHz	97	100	103	dB
distortion	at 1.0 kHz, 1 W			5	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20,000 Hz		6.32		V
dimensions	40.1 x 40.1 x 14.5				mm
magnet	Nd-Fe-B				
material	ABS777D				
cone material	PET				
terminal	solder terminals				
weight			44		g
operating temperature		-20		60	$^{\circ}\text{C}$
storage temperature		-40		70	$^{\circ}\text{C}$
RoHS	yes				

Notes:

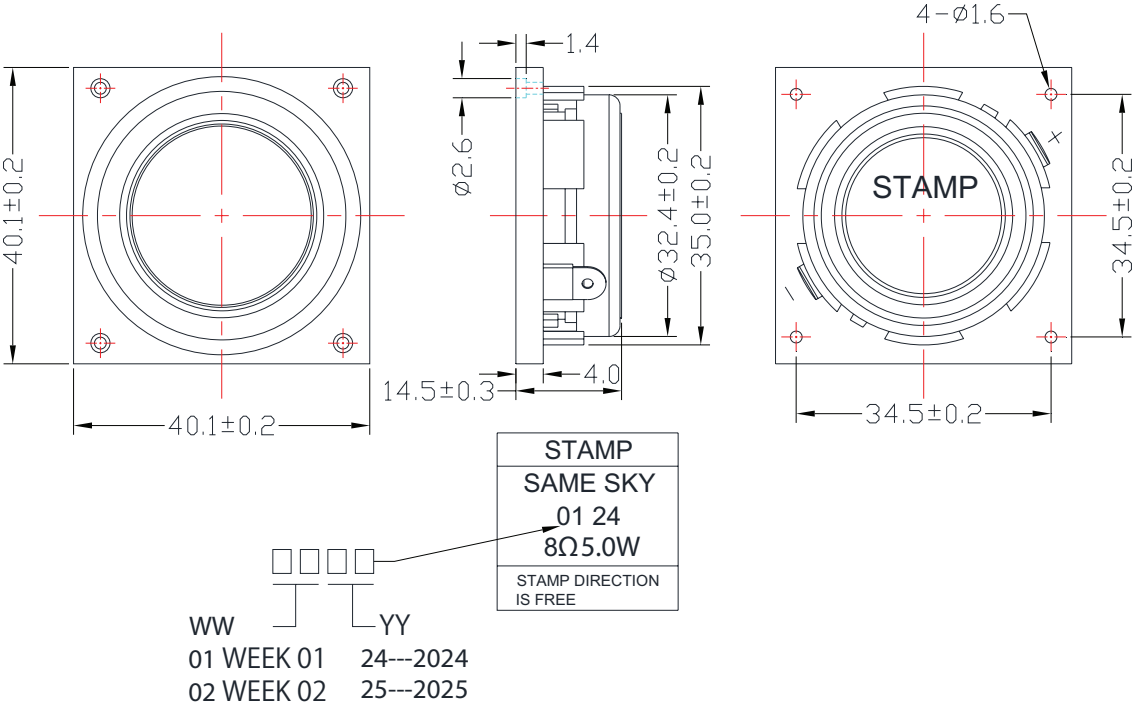
1. All specifications measured at 15~35 $^{\circ}\text{C}$, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3 $\pm$ 1 seconds	360	370	380	$^{\circ}\text{C}$

MECHANICAL DRAWING

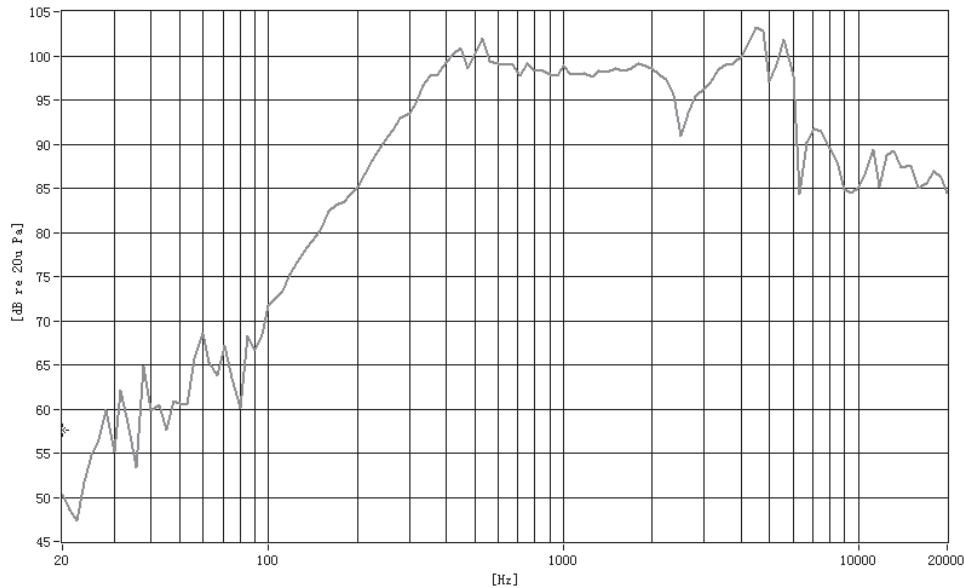
units: mm
tolerance: ± 0.2 mm



RESPONSE CURVES

Frequency Response Curve

Frequency Response.Magn dB re 20.00μ PA (at 1 W/0.1 m)



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	3.765
Electrical Q Factor	Qes	3.16
Total Q Factor	Qts	1.718
Compliance Equivalent Volume	Vas	0.0161

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

REVISION HISTORY

rev.	description	date
1.0	initial release	06/24/2016
1.01	changed marking from stamp to PVC label	08/21/2018
1.02	brand update	01/22/2020
1.03	logo, datasheet style update	08/05/2022
1.04	CUI Devices rebranded to Same Sky	09/11/2024
1.05	added Thiele-Small Parameters	02/26/2025

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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