CUI Devices is now Same Sky! Learn More

MODEL: CSS-66668N | DESCRIPTION: SPEAKER

FEATURES

- 90 dB SPL
- 200 Hz resonant frequency
- Nd-Fe-B magnet



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		3.0	4.0	W
impedance	at 0.8 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	160	200	240	Hz
frequency response	output SPL -10 dB	Fo		15,000	Hz
sound pressure level	at 1.0 W, 0.1 m ave, at 0.6, 0.8, 1.0, 1.2 kHz at 3.0 W, 0.5 m ave, at 0.6, 0.8, 1.0, 1.2 kHz	98 88	101 91	104 94	dB dB
distortion	at 1.0 kHz, 1.0 W			5	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20,000 Hz		4.9		V
dimensions	66 x 66 x 29				mm
magnet	Nd-Fe-B				
material	metal				
cone material	paper & foam				
terminal	solder terminals				
weight			101		g
operating temperature		-20		55	°C
storage temperature		-30		70	°C
RoHS	yes				

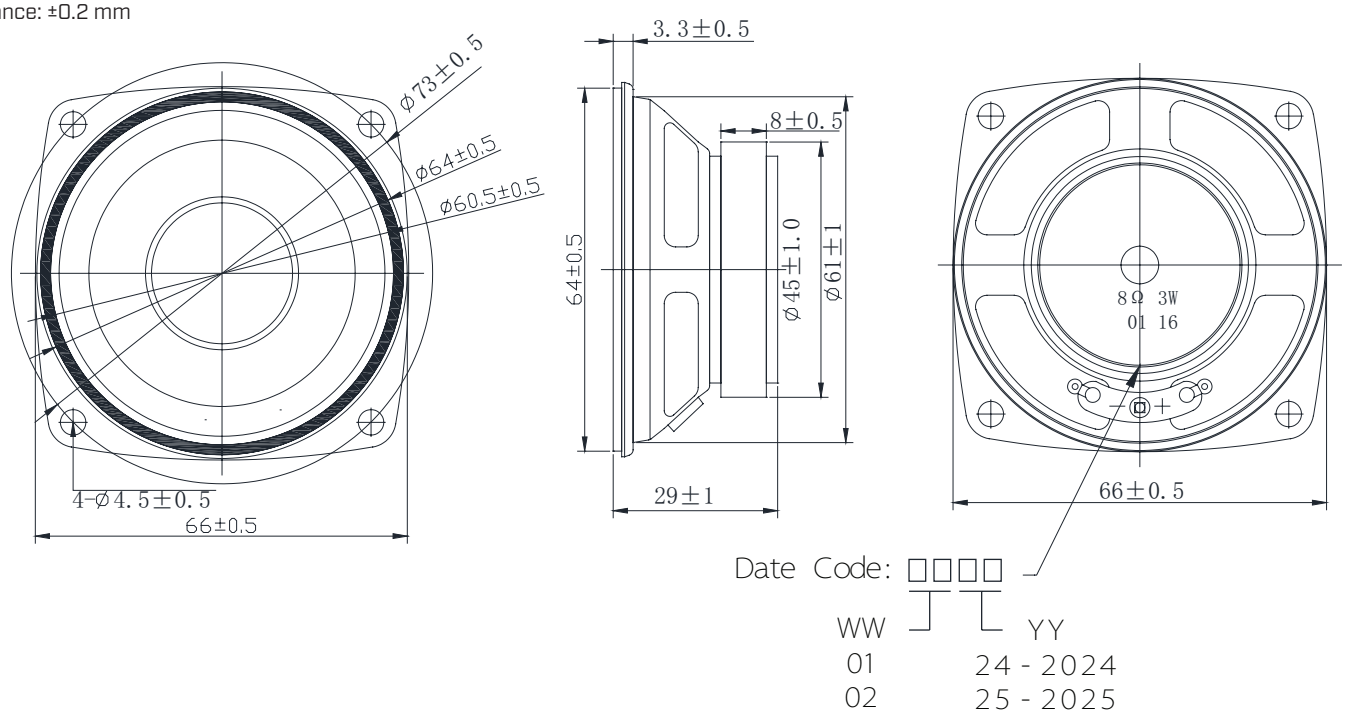
Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

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

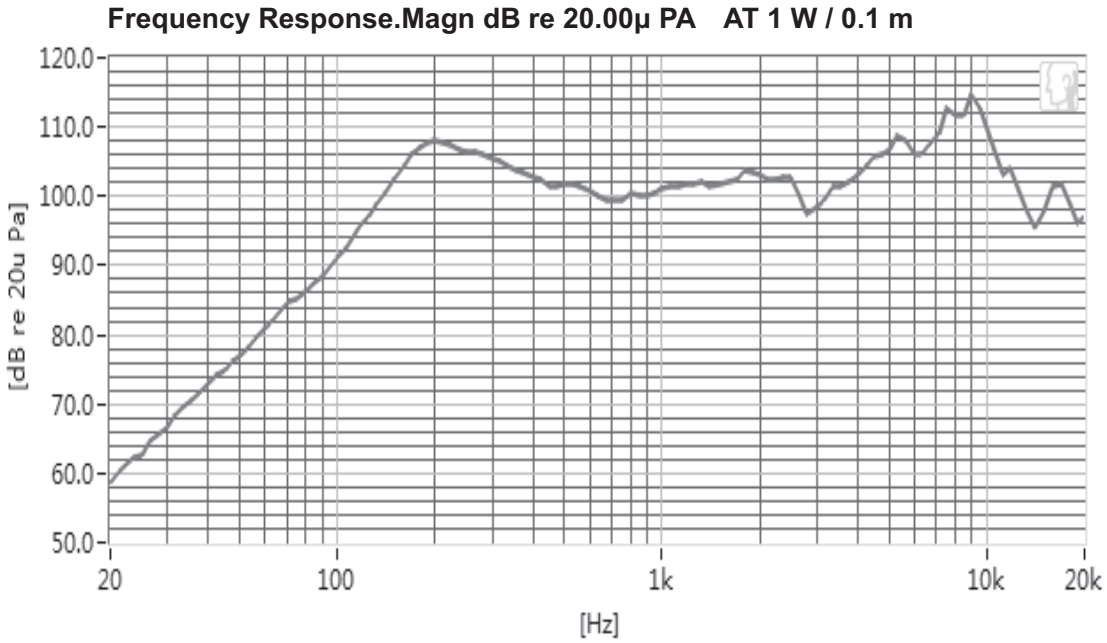


Date Code: □□□□

WW	YY
01	24 - 2024
02	25 - 2025

RESPONSE CURVES

Frequency Response Curve



THIELE-SMALL PARAMETERS

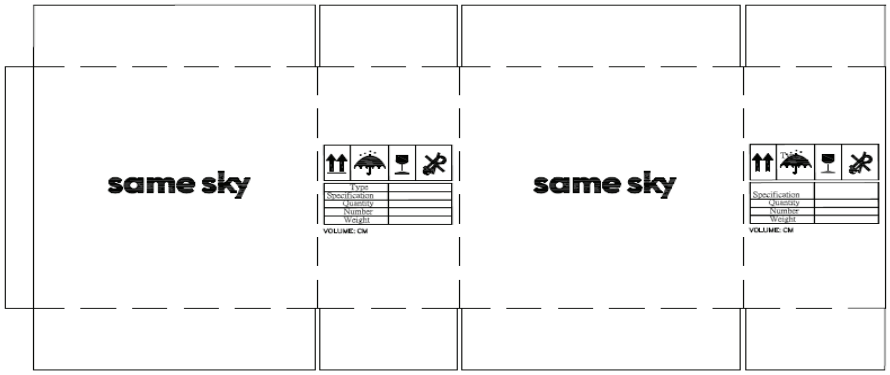
parameter	conditions/description	typ
Mechanical Q Factor	Qms	6.988
Electrical Q Factor	Qes	4.274
Total Q Factor	Qts	2.652
Compliance Equivalent Volume	Vas	0.3971

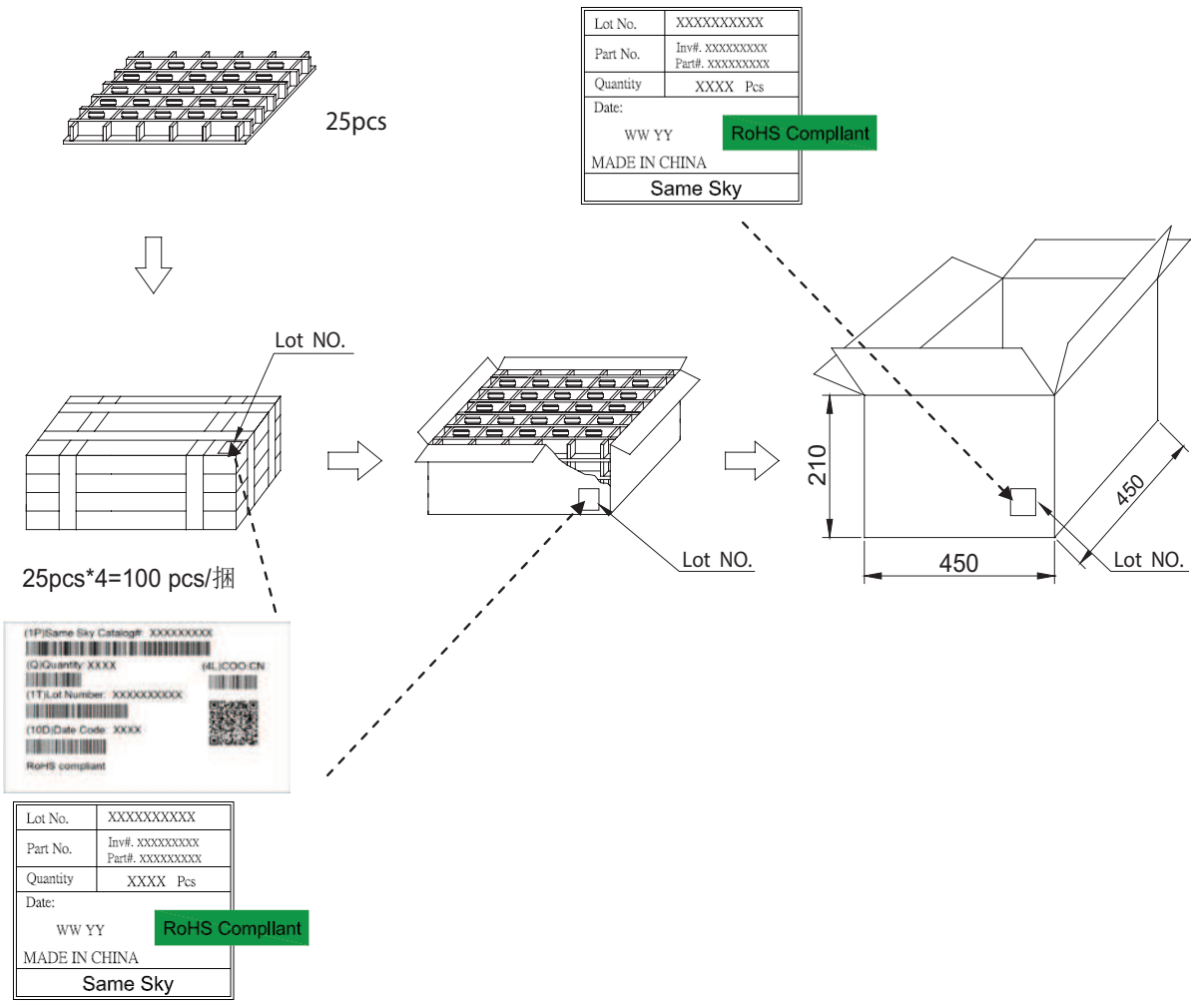
Notes: 2. Results represent typical performance in Free Air conditions.

PACKAGING

units: mm

Tray Size: 415 x 415 x 40 mm
Carton Size: 450 x 450 x 210 mm
Tray QTY: 25 pcs per tray
Carton QTY: 100 pcs per carton





REVISION HISTORY

rev.	description	date
1.0	initial release	06/28/2016
1.01	brand update	01/22/2020
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	02/06/2025

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.

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.