



MODEL: CSS-1021028N | DESCRIPTION: SPEAKER

FEATURES

- 107 dB SPL
- 10 W input
- 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		10	12	W
impedance	at 800 Hz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	92	115	138	Hz
frequency response	output SPL -10 dB	Fo		7,800	Hz
sound pressure level	at 1 W, 0.1 m ave, at 1.0, 1.4, 1.7, 2.0 kHz	104	107	110	dB
distortion	at 1.0 kHz, 1 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20,000 Hz		8.94		V
dimensions	102 x 102 x 35.5				mm
magnet	Nd-Fe-B				
material	metal				
cone material	paper cone & foam edge				
terminal	solder terminals				
weight			208		g
operating temperature		-20		55	$^{\circ}\text{C}$
storage temperature		-30		70	$^{\circ}\text{C}$
RoHS	yes				

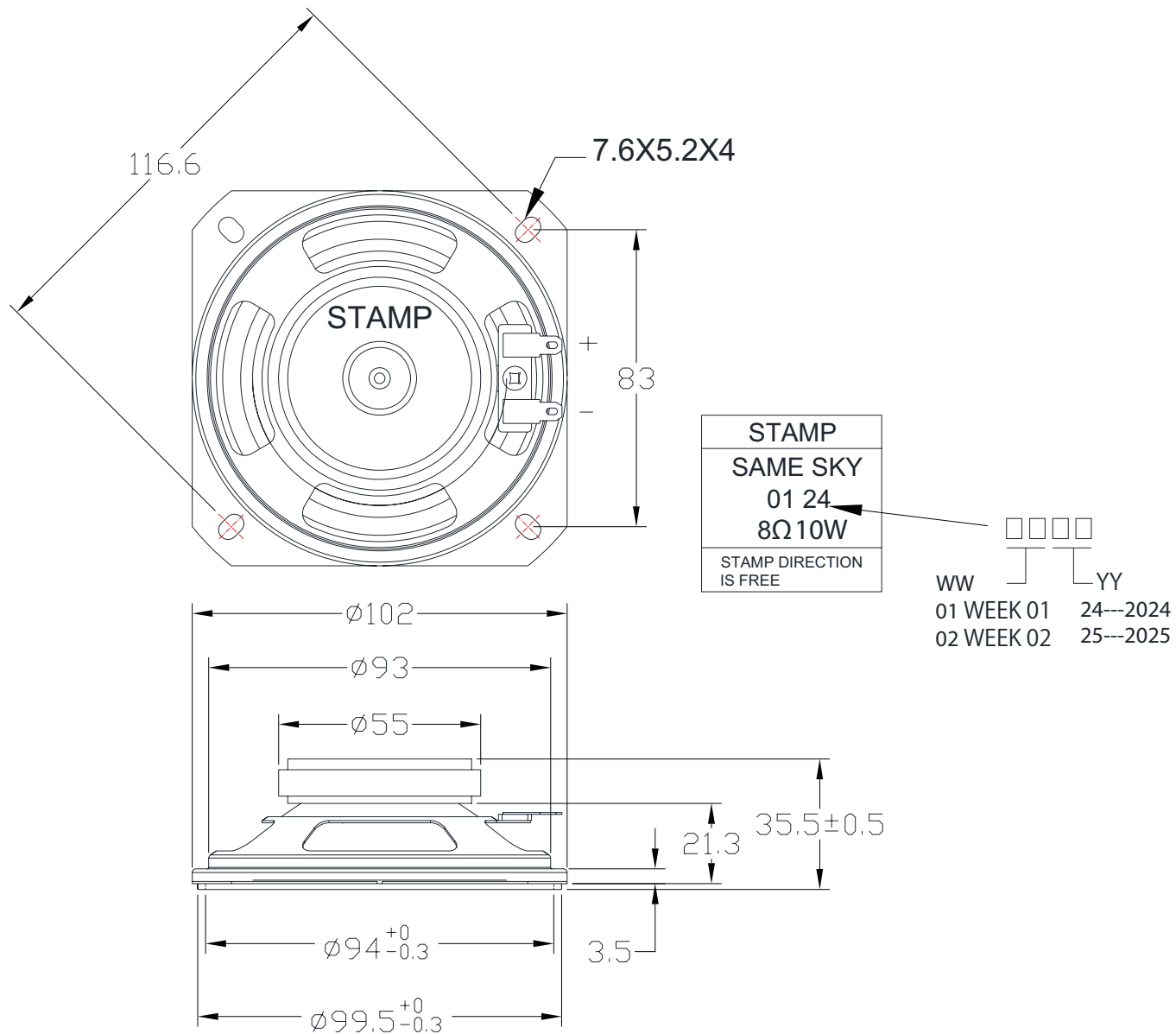
Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

SOLDERABILITY

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

MECHANICAL DRAWING

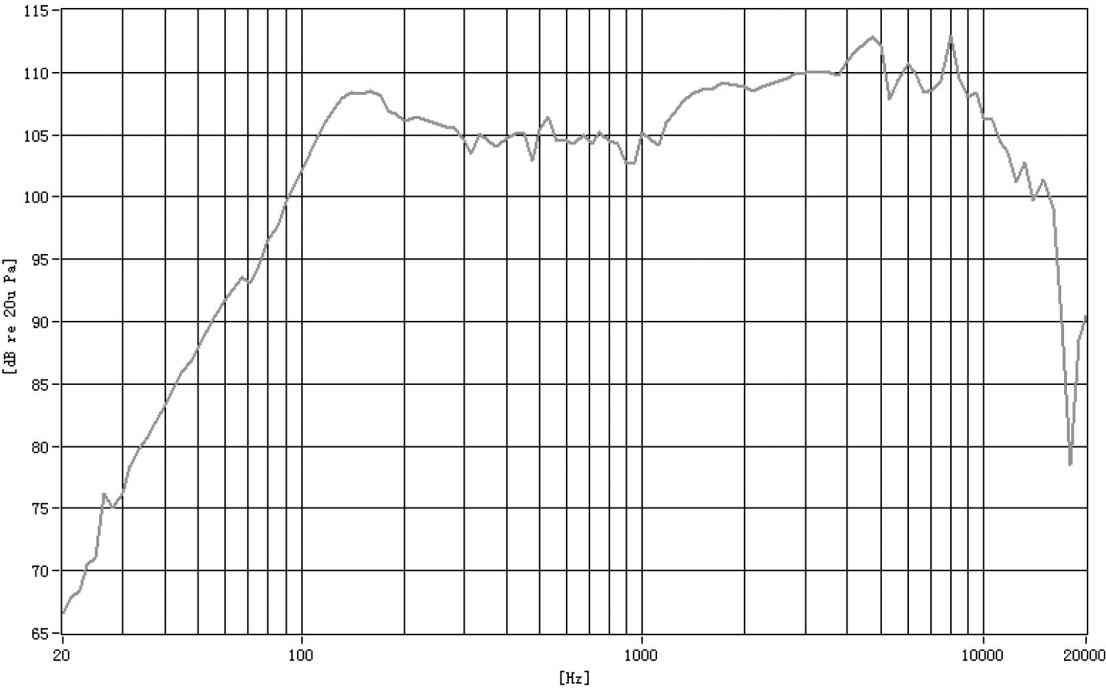
units: mm
tolerance: ± 0.2 mm



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	7.436
Electrical Q Factor	Qes	2.012
Total Q Factor	Qts	1.583
Compliance Equivalent Volume	Vas	1.8889

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

PACKAGING

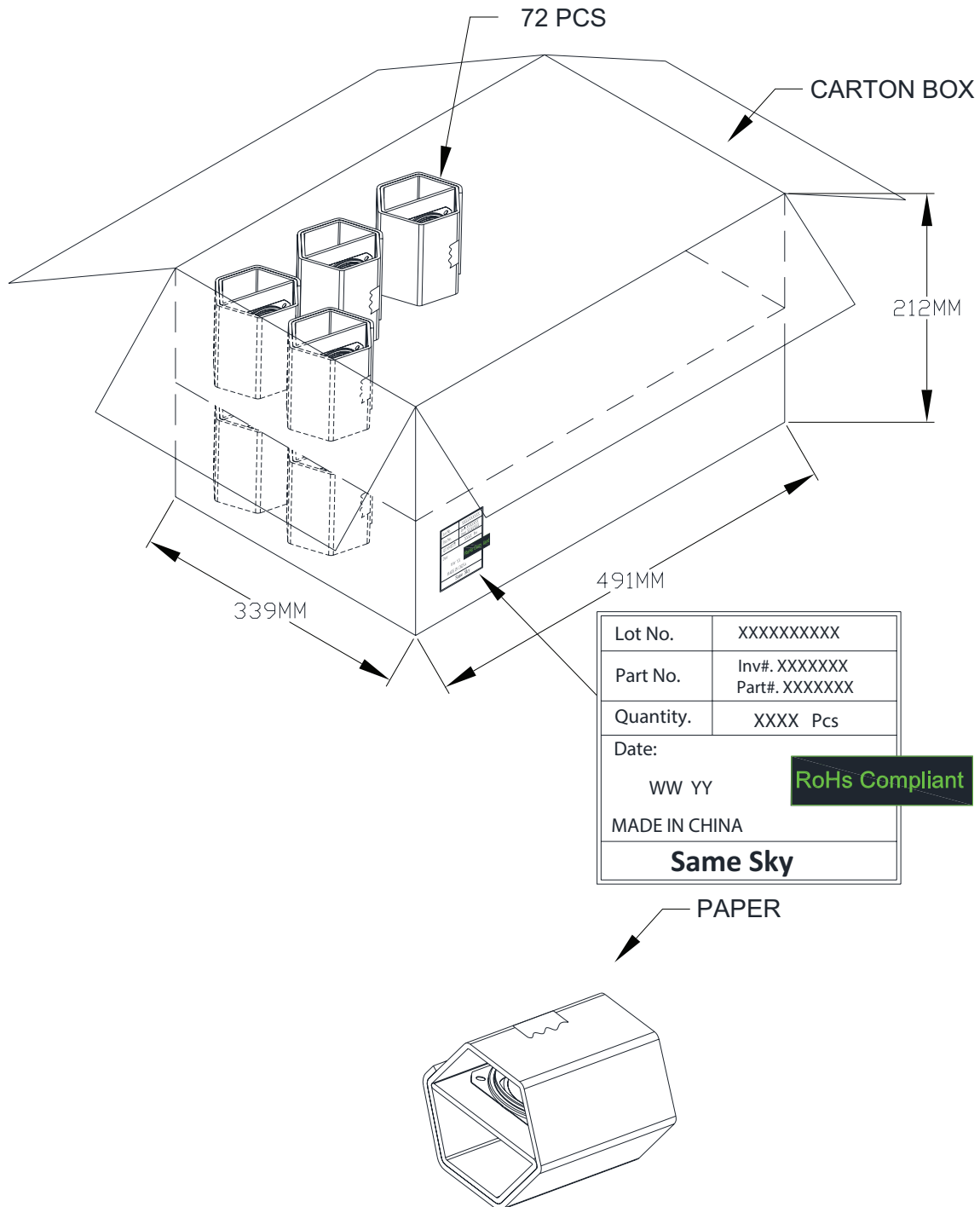
units: mm

Carton Size: 491 x 339 x 212 mm

Carton QTY: 72 pcs per carton

N.W: 15 KGS

G.W: 17 KGS



REVISION HISTORY

rev.	description	date
1.0	initial release	06/22/2016
1.01	changed packaging	11/07/2018
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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