

**MODEL:** CMS-40208N | **DESCRIPTION:** SPEAKER**FEATURES**

- 650 Hz resonant frequency
- 98 dB SPL
- 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		1.0	1.5	W
impedance	at 1.0 V, 2.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	520	650	780	Hz
frequency response	output SPL -10 dB	Fo		13,000	Hz
sound pressure level	at 1.0 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz	95	98	101	dB
distortion	at 1.0 kHz, 1.0 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20,000 Hz		2.83		V
dimensions	40 x 20 x 8.4				mm
magnet	Nd-Fe-B				
material	ABS				
cone material	cloth				
terminal	solder terminals				
weight			7		g
operating temperature		-30		70	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				

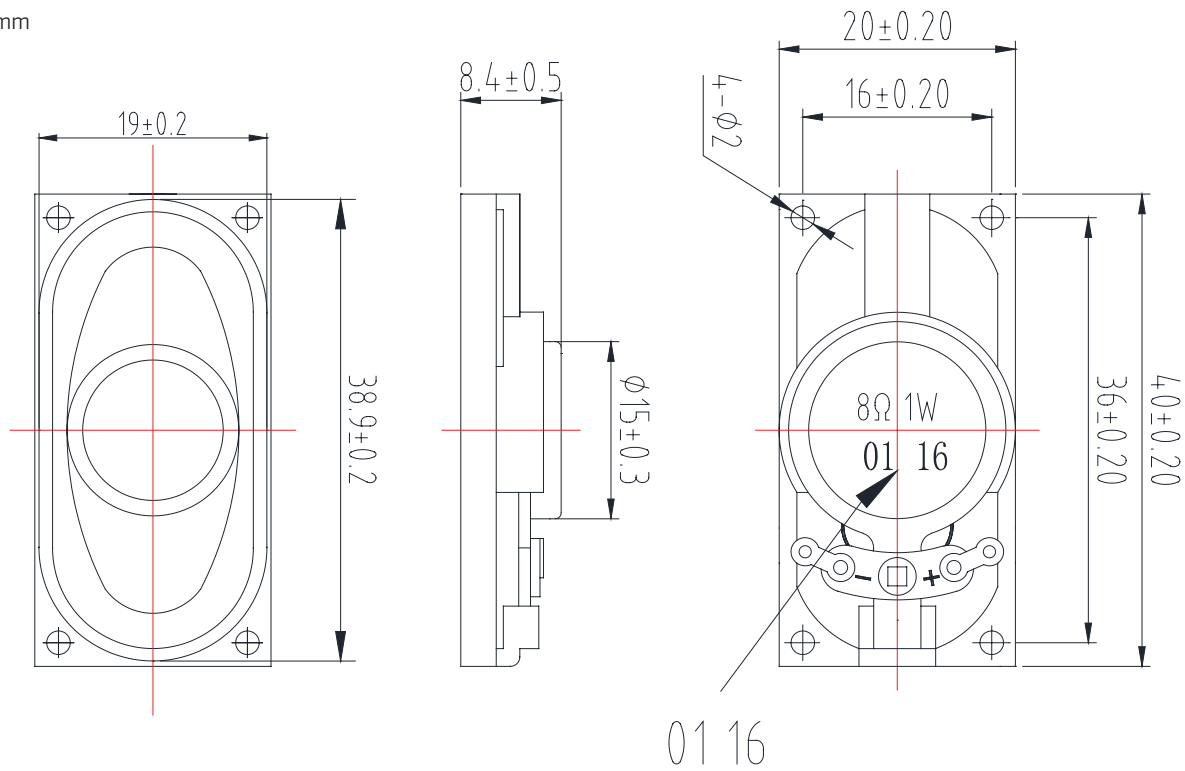
Notes: 1. All specifications measured at 5-35 $^{\circ}\text{C}$, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	370	380	390	$^{\circ}\text{C}$

MECHANICAL DRAWING

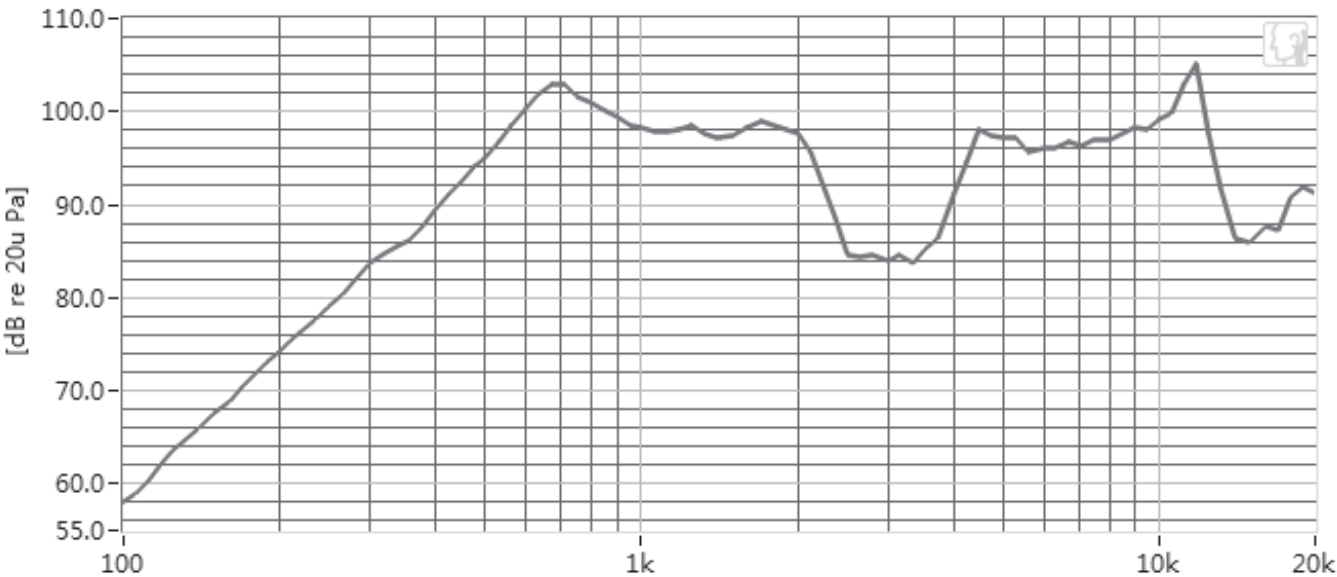
units: mm
tolerance: ± 0.5 mm



RESPONSE CURVES

Frequency Response Curve

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



THIELE-SMALL PARAMETERS

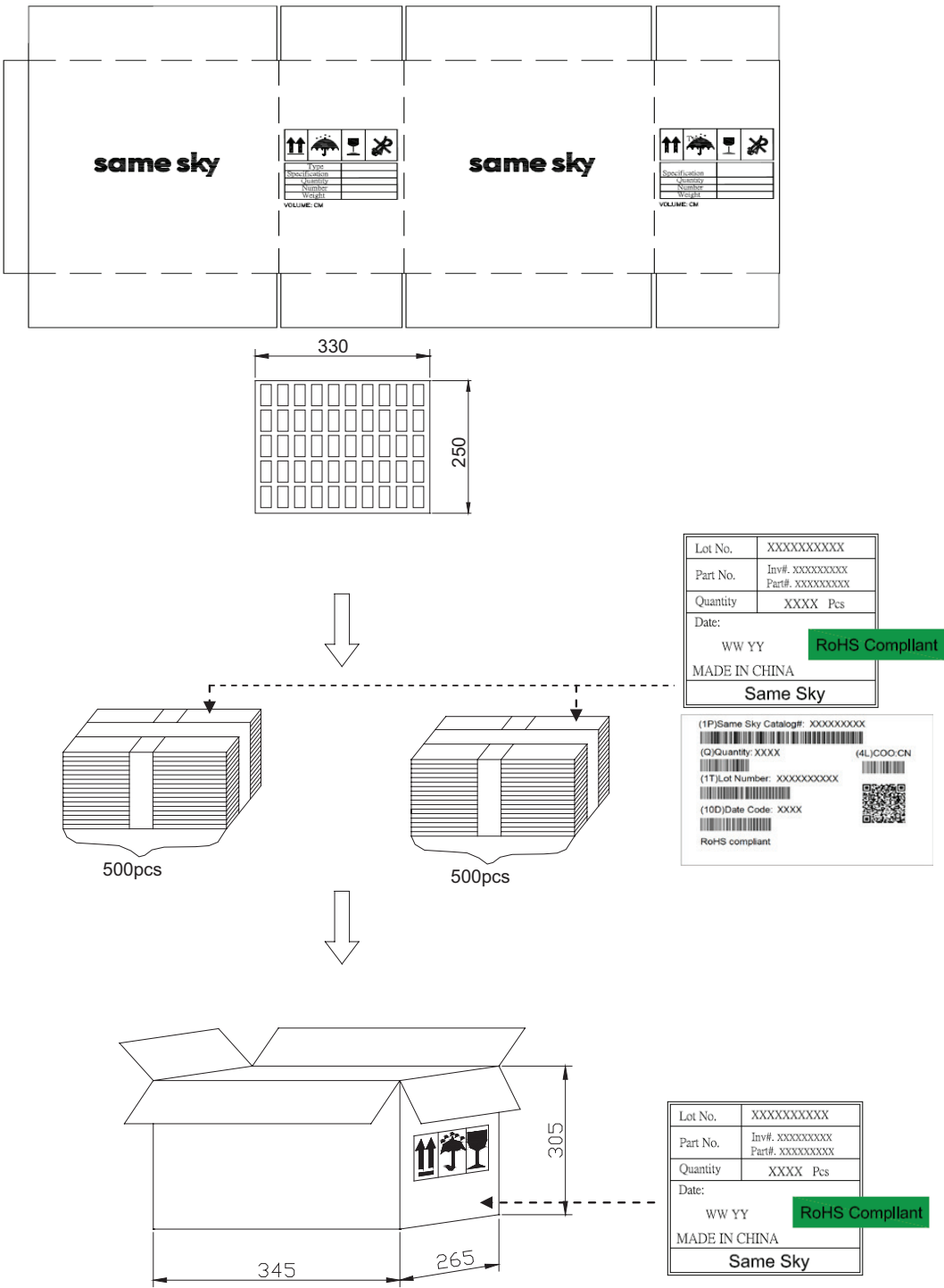
parameter	conditions/description	typ
Mechanical Q Factor	Qms	6.155
Electrical Q Factor	Qes	7.456
Total Q Factor	Qts	3.372
Compliance Equivalent Volume	Vas	TBD

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

PACKAGING

units: mm

Tray Size: 330 x 250 x 13 mm
Carton Size: 345 x 265 x 305 mm
Tray QTY: 50 pcs per tray
Carton QTY: 1,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	06/23/2016
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	02/18/2025

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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