

**MODEL:** CMS-35206-158 | **DESCRIPTION:** SPEAKER**FEATURES**

- 8 ohm rated impedance
- 1.5 W rated power
- 850 Hz resonance frequency

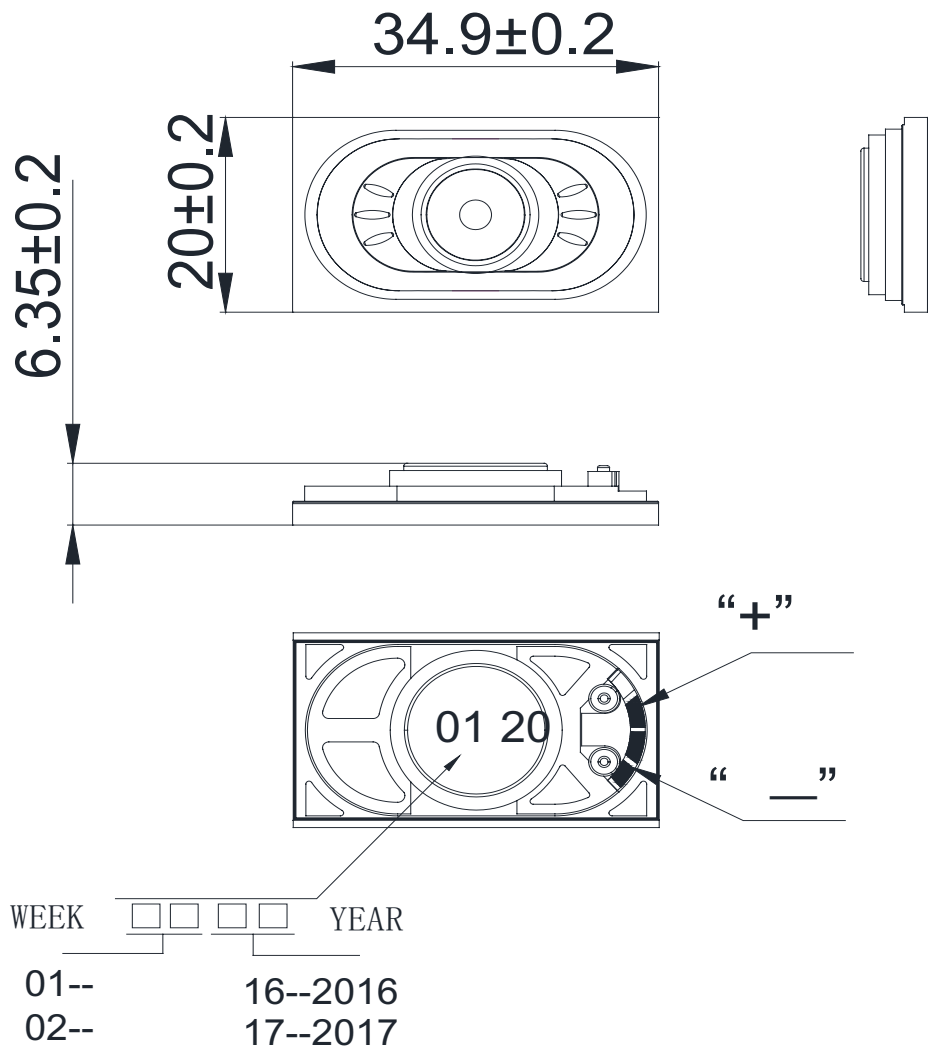
**SPECIFICATIONS**

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	680	850	1,020	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.5 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	97	100	103	dB
distortion	at 1.0 kHz, rated power			10	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			3.46	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	34.9 x 20.0 x 6.35				mm
magnet	Nd-Fe-B				
frame material	PBT				
cone material	cloth				
terminal	solder pads				
weight			4.7		g
operating temperature		-20		60	$^{\circ}\text{C}$
storage temperature		-30		70	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds	370	380	390	$^{\circ}\text{C}$
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.

MECHANICAL DRAWING

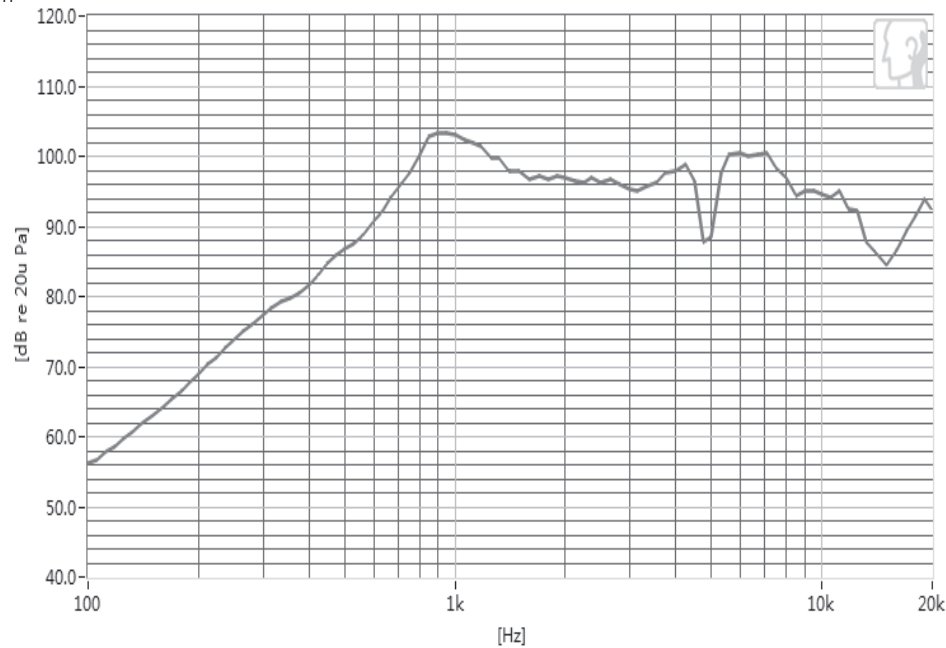
units: mm
tolerance: ± 0.2 mm



RESPONSE CURVES

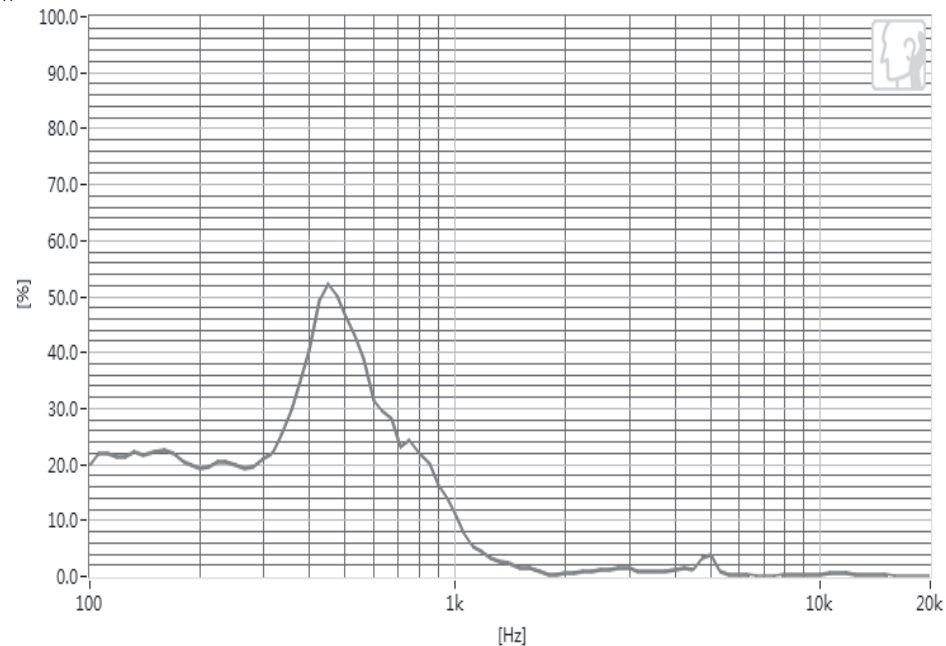
Frequency Response Curve

Test Conditions: 1.0 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	4.405
Electrical Q Factor	Qes	8.918
Total Q Factor	Qts	2.948
Compliance Equivalent Volume	Vas	0.0117

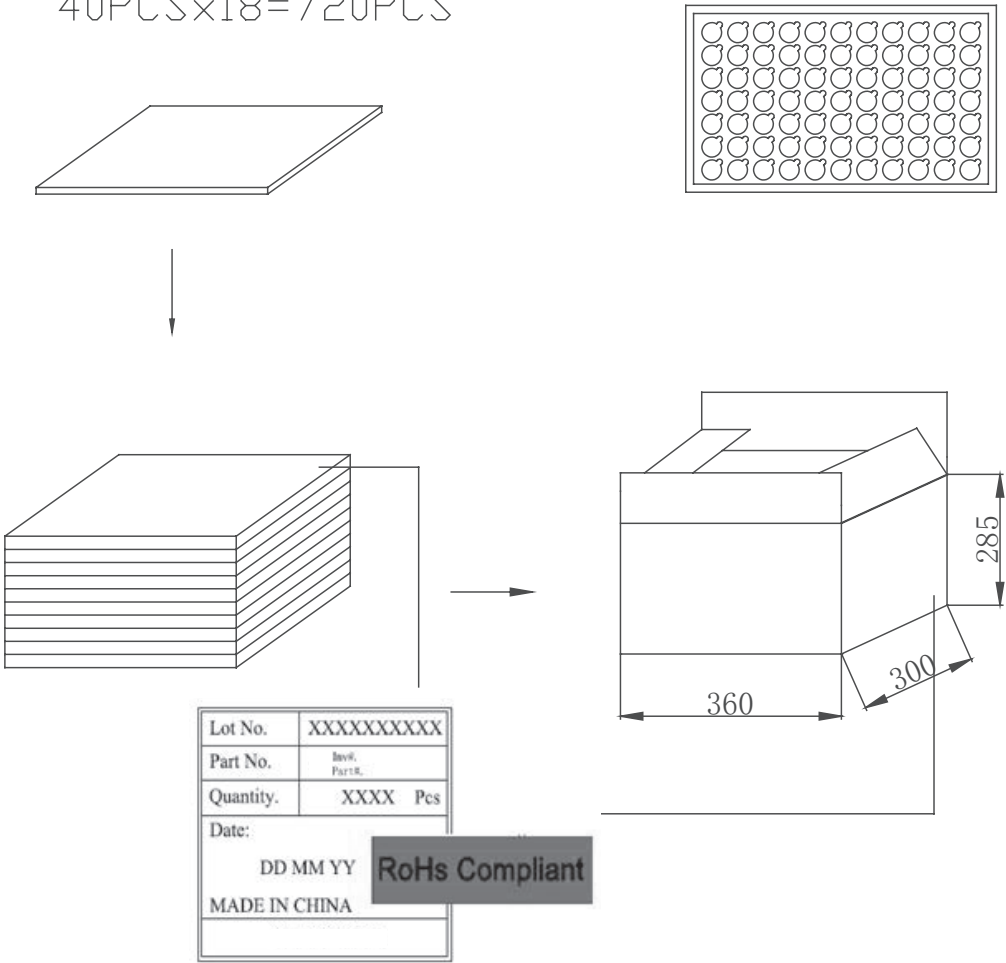
Notes: 2. Results represent typical performance in Free Air conditions.

PACKAGING

units: mm

Tray Size: 345 x 285 x 14 mm
Tray QTY: 40 pcs per tray
Carton Size: 360 x 300 x 285 mm
Carton QTY: 720 pcs per carton

40PCS×18=720PCS



REVISION HISTORY

rev.	description	date
1.0	initial release	06/08/2020
1.01	logo, datasheet style update	10/26/2022
1.02	CUI Devices rebranded to Same Sky	09/11/2024
1.03	added Thiele-Small Parameters	02/11/2025

The revision history provided is for informational purposes only and is believed to be accurate.



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