

**MODEL:** CDM-10008 | **DESCRIPTION:** SPEAKER**FEATURES**

- metal frame
- PET cone

**SPECIFICATIONS**

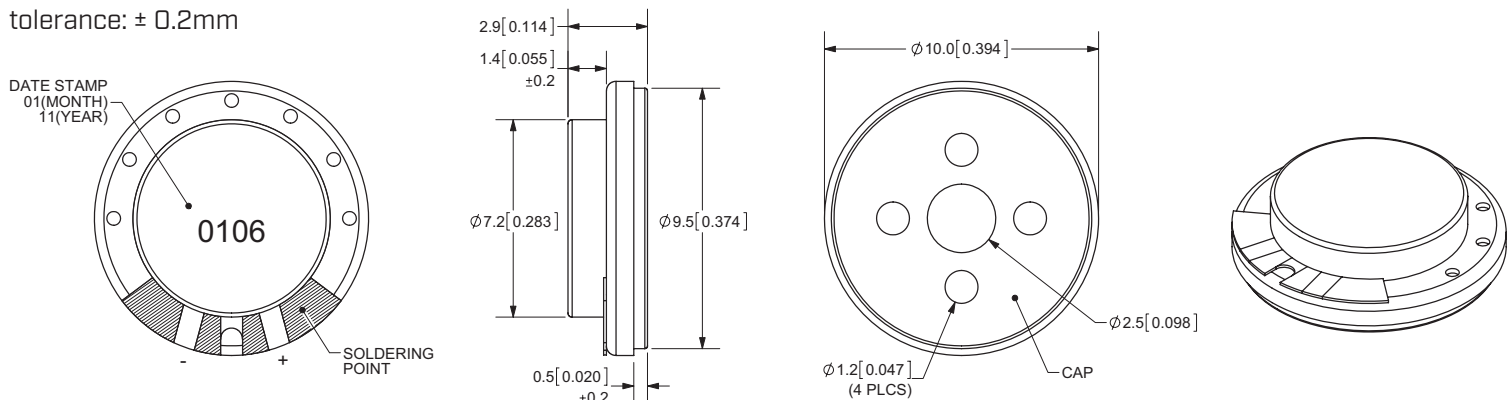
parameter	conditions/description	min	typ	max	units
diameter			10		mm
depth			2.9		mm
input power	max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp		0.3	0.5	W
impedance	at 1.5 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency	at 1 V	960	1200	1,440	Hz
sound pressure level	0.3 W, 10 cm ave. at 1, 1.2, 1.5, 2 kHz 1 W, 1 m ave. at 1, 1.2, 1.5, 2 kHz	83 69	86 72	89 75	 dB dB
response				20,000	Hz
distortion	at 1.5 kHz, 0.3 W			10	%
buzz, rattle, etc.	must be normal at sine wave 1.55 V				
magnet size	size: 5.3 x 1.0 mm				
operating temperature		-30		70	$^{\circ}\text{C}$
weight			0.6		g
material	metal				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description
hand soldering	370 $\pm$ 10 $^{\circ}\text{C}$ for 3 $\pm$ 1 seconds

MECHANICAL DRAWING

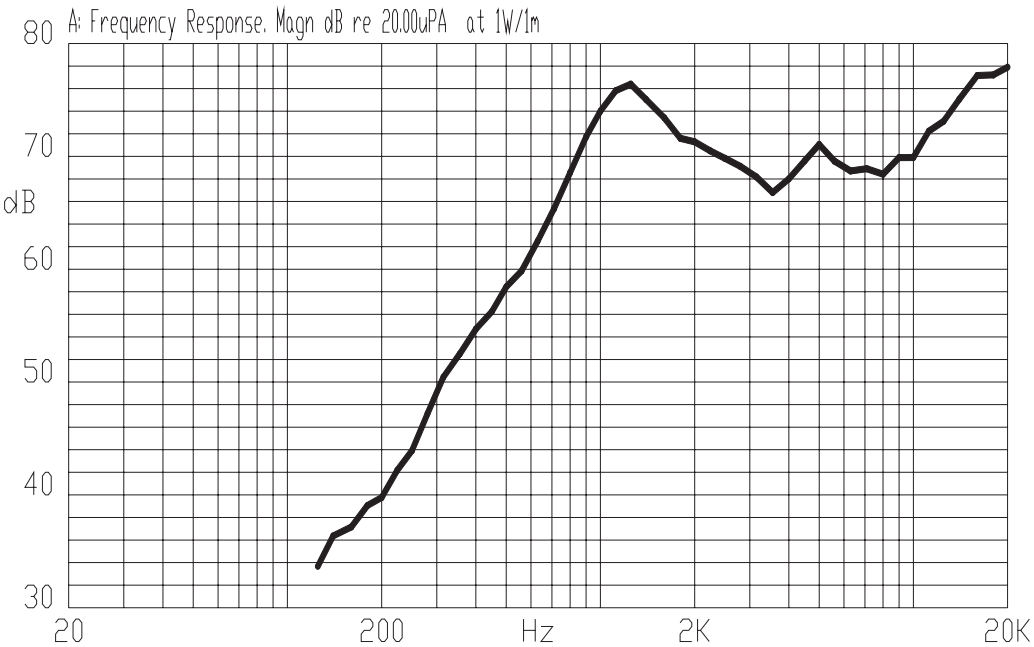
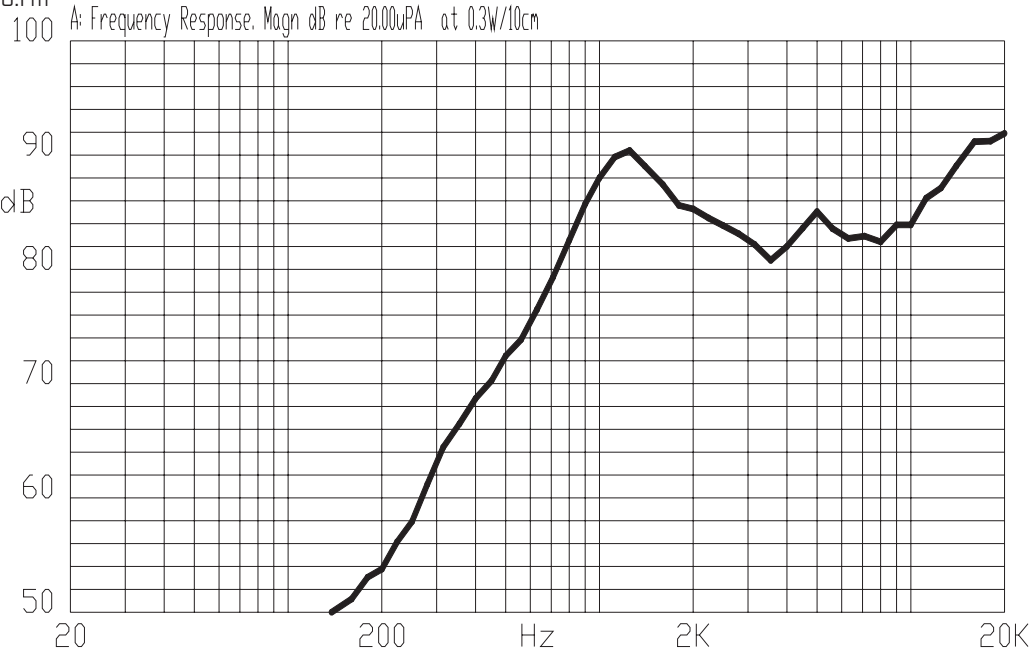
units: mm

tolerance: $\pm 0.2\text{mm}$ 

RESPONSE CURVES

Frequency Response Curve

Test Conditions: 3.0 W / 0.1 m

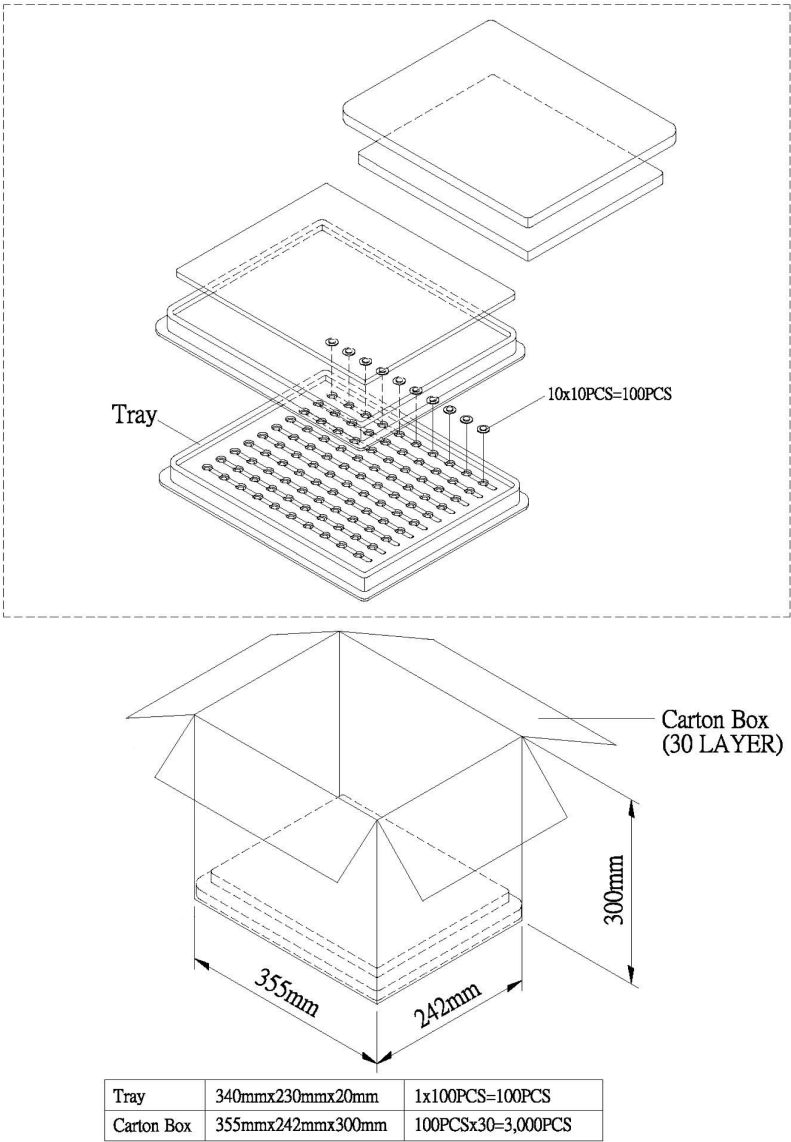


THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	9.669
Electrical Q Factor	Qes	17.22
Total Q Factor	Qts	6.192
Compliance Equivalent Volume	Vas	0.0003

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

PACKAGING



REVISION HISTORY

rev.	description	date
1.0	initial release	11/08/2011
1.01	brand update	01/20/2020
1.02	logo, datasheet style update	08/05/2022
1.03	operating temperature update	03/31/2023
1.04	CUI Devices rebranded to Same Sky	09/11/2024
1.05	added Thiele-Small Parameters	02/07/2025

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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