

**MODEL:** CDM-12008 | **DESCRIPTION:** SPEAKER**FEATURES**

- metal frame
- PET cone

**SPECIFICATIONS**

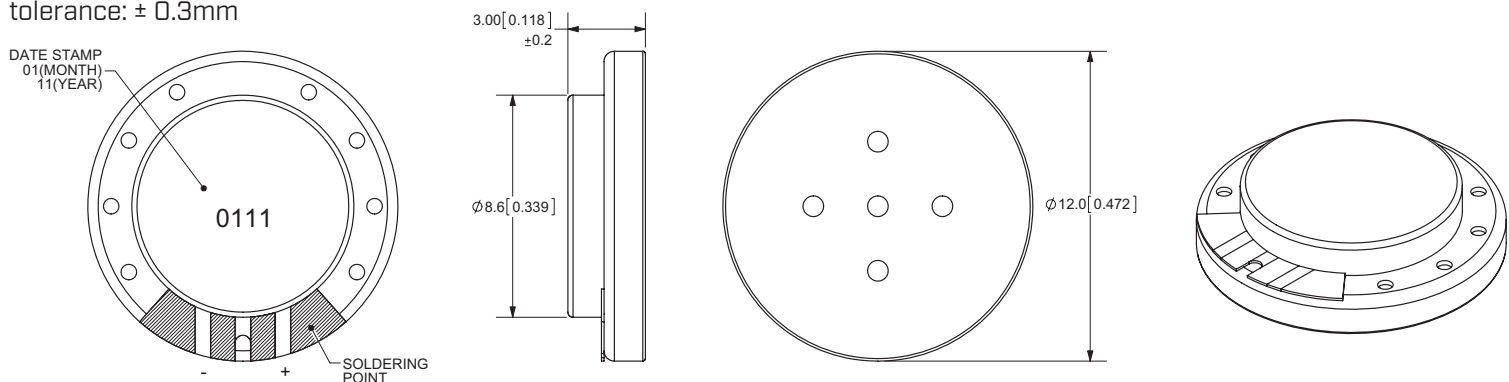
parameter	conditions/description	min	typ	max	units
diameter			12		mm
depth			3.0		mm
input power	max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp		0.5	0.6	W
impedance	at 1.5 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency	at 1 V	800	1000	1,200	Hz
sound pressure level	0.5 W, 10 cm ave. at 1.2, 1.5, 2.0, 2.5 kHz 1 W, 1 m ave. at 1.2, 1.5, 2.0, 2.5 kHz	87 74	90 77	93 80	 dB dB
response				20,000	Hz
distortion	at 1.5 kHz, 0.5 W			10	%
buzz, rattle, etc.	must be normal at sine wave 2.0 V				
magnet size	size: 6.9 x 1.0 mm				
operating temperature		-25		55	$^{\circ}\text{C}$
weight			1.0		g
material	metal				
RoHS	yes				

SOLDERABILITY

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

MECHANICAL DRAWING

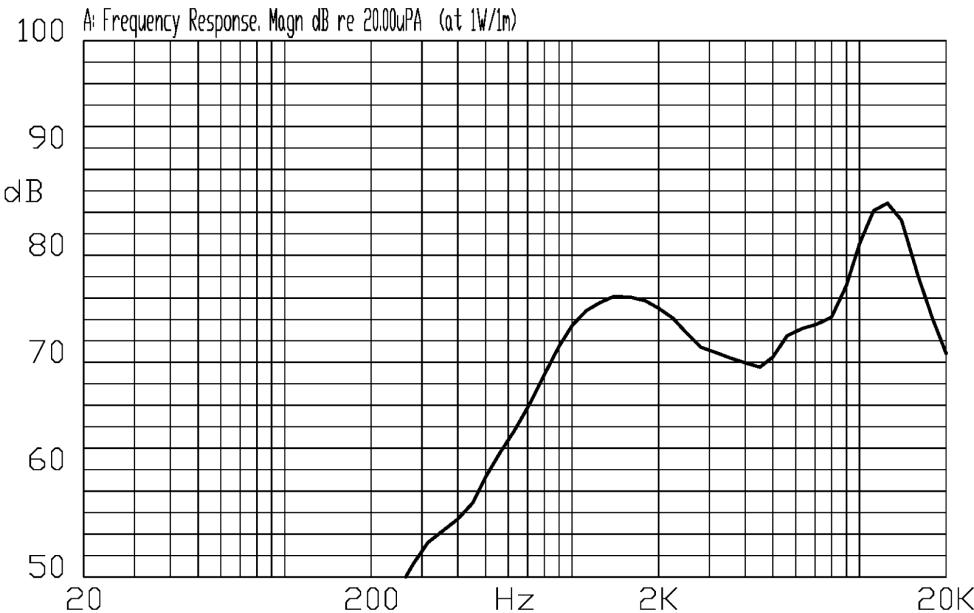
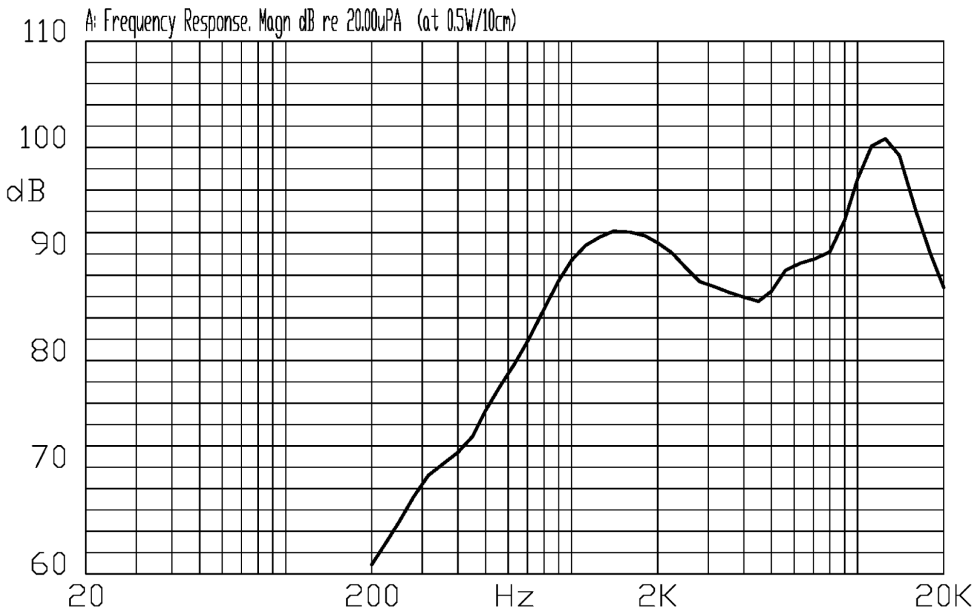
units: mm

tolerance: $\pm$ 0.3mm

RESPONSE CURVES

Frequency Response Curve

Test Conditions: 3.0 W / 0.1 m

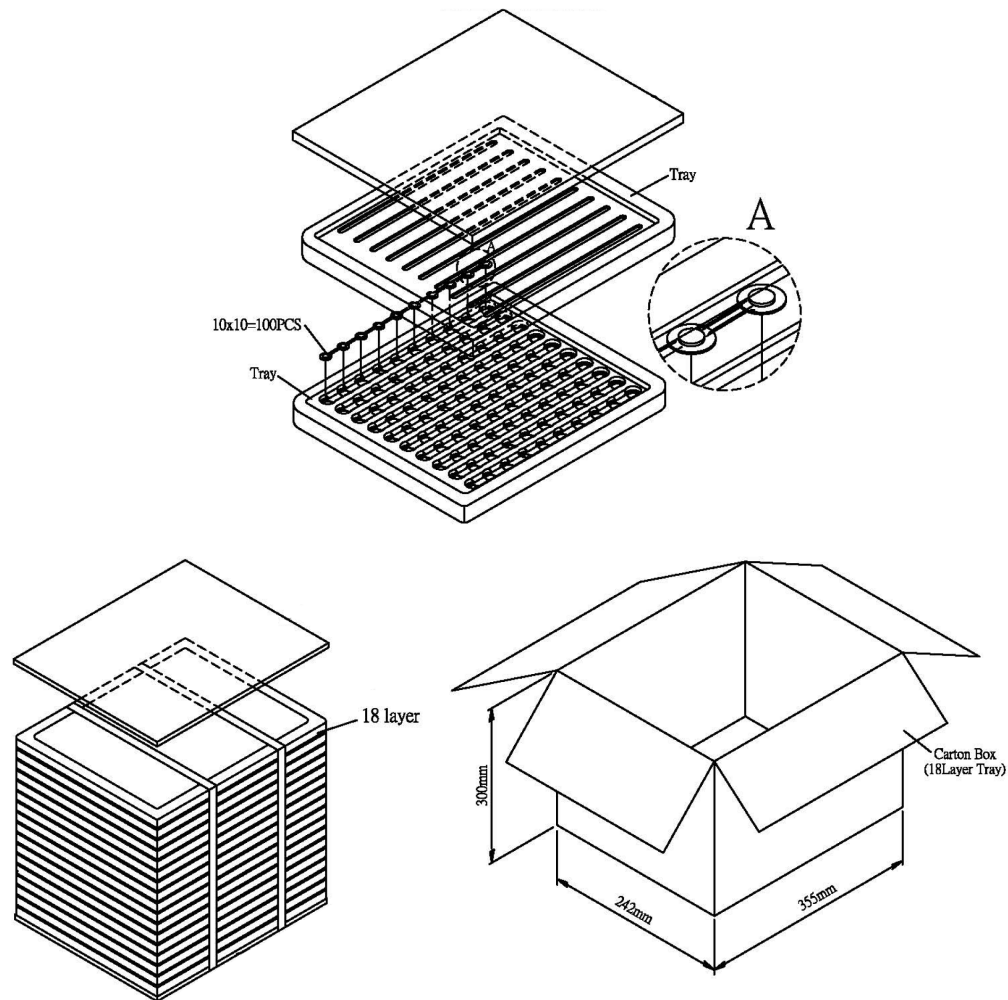


THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	5.004
Electrical Q Factor	Qes	9.822
Total Q Factor	Qts	3.315
Compliance Equivalent Volume	Vas	0.0001

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

PACKAGING



Tray	350mmx235mmx20mm	1x100PCS=100PCS
Carton Box	355mmx242mmx300mm	100PCSx18=1,800PCS

REVISION HISTORY

rev.	description	date
1.0	initial release	11/08/2011
1.01	brand update	01/21/2020
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	02/07/2025

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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