

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

- metal frame
- PET cone

**SPECIFICATIONS**

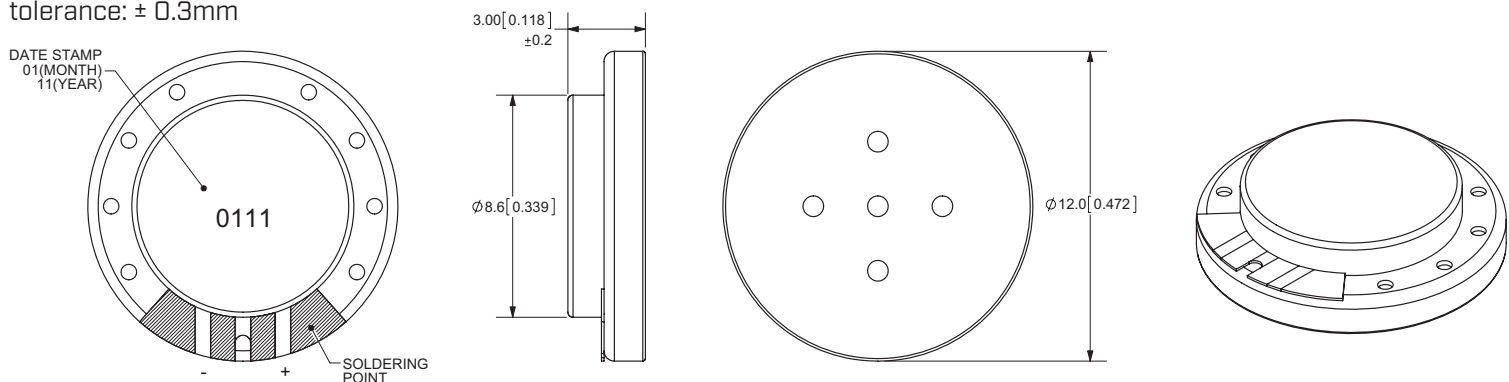
parameter	conditions/description	min	typ	max	units
diameter			12		mm
depth			3.0		mm
input power	max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp		0.5	0.6	W
impedance	at 1.5 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency	at 1 V	800	1000	1,200	Hz
sound pressure level	0.5 W, 10 cm ave. 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

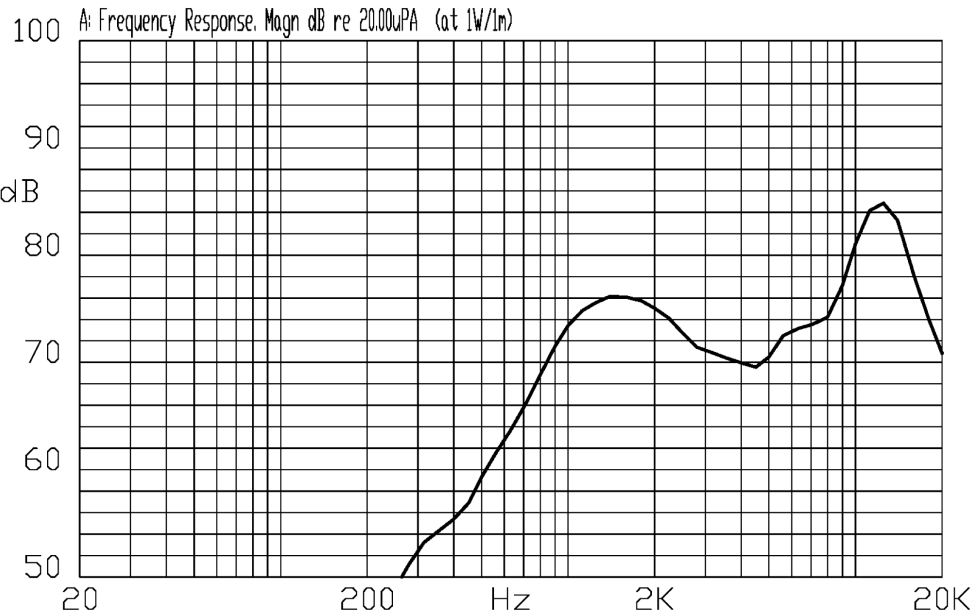
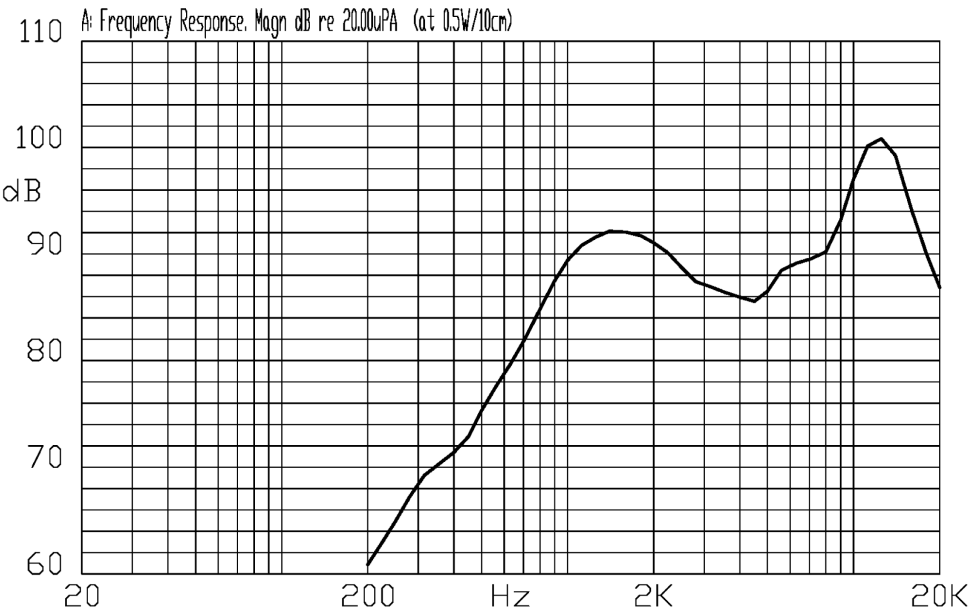
units: mm

tolerance: $\pm$ 0.3mm

RESPONSE CURVES

Frequency Response Curve

Test Conditions: 3.0 W / 0.1 m

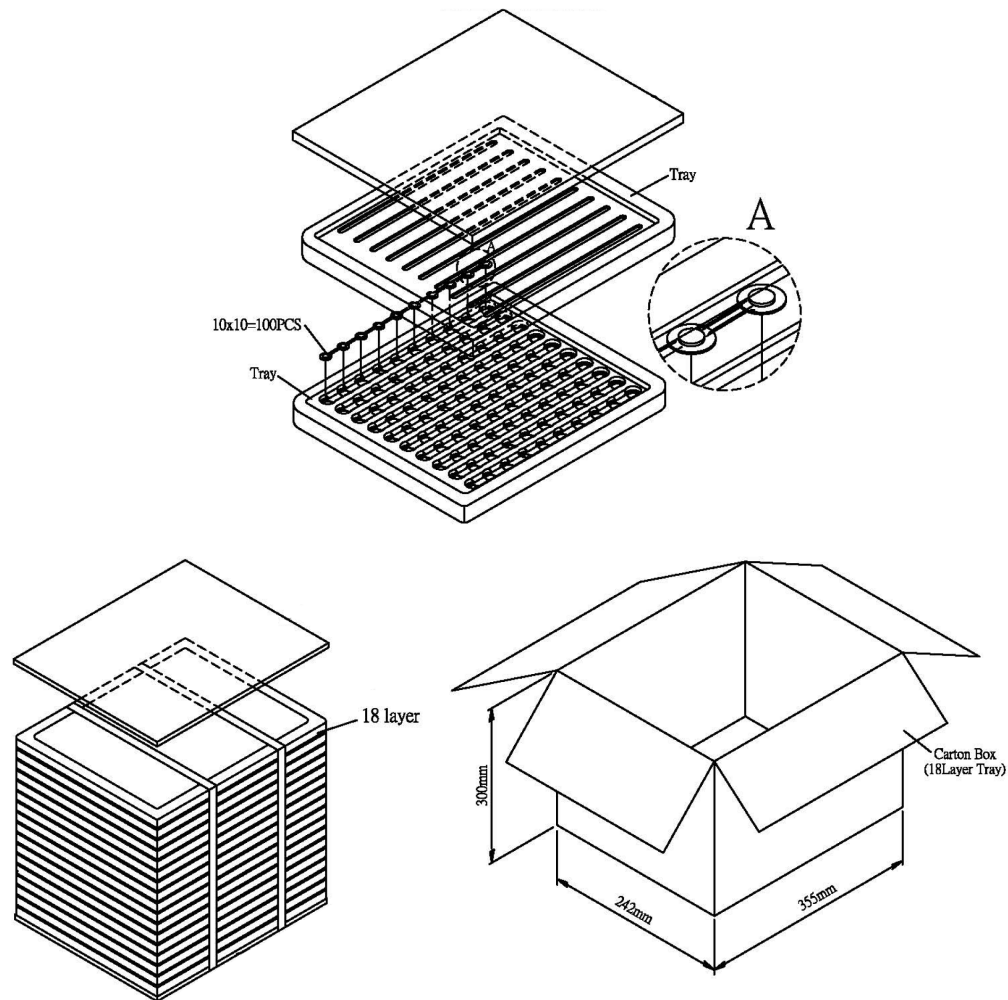


THIELE-SMALL PARAMETERS

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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com