

**MODEL:** CDM-16008 | **DESCRIPTION:** SPEAKER**FEATURES**

- metal frame
- PEN cone

**SPECIFICATIONS**

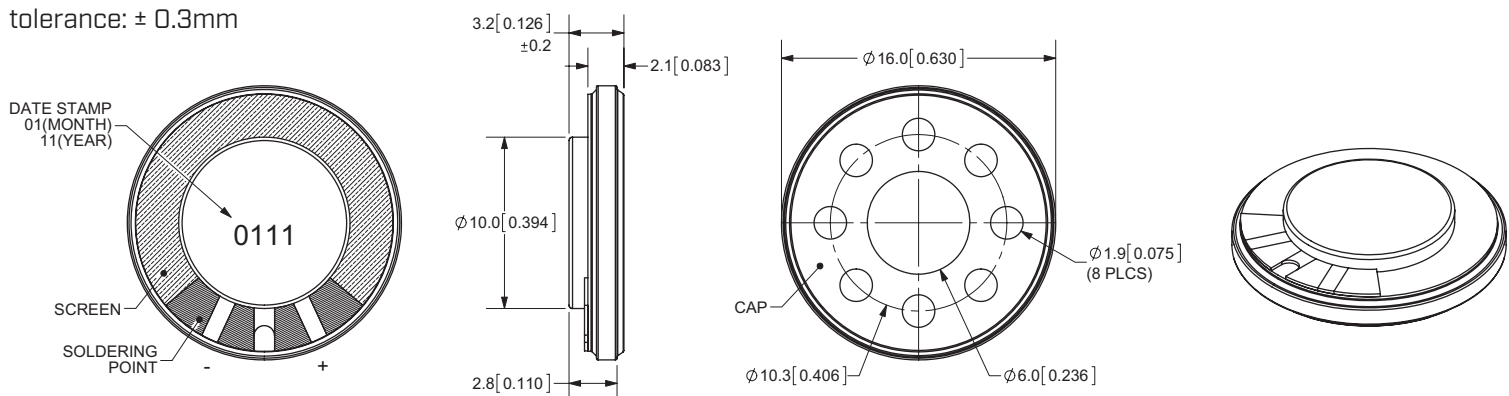
parameter	conditions/description	min	typ	max	units
diameter			16		mm
depth			3.2		mm
input power	max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp		0.4	0.6	W
impedance	at 2 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency	at 1 V	640	800	960	Hz
sound pressure level	0.4 W, 10 cm ave. at 1, 1.2, 1.5, 2.0 kHz 1 W, 1 m ave. at 1, 1.2, 1.5, 2.0 kHz	90 75	93 78	96 81	 dB dB
response				20,000	Hz
distortion	at 1.5 kHz, 0.4 W			10	%
buzz, rattle, etc.	must be normal at sine wave 1.79 V				
operating temperature		-40		85	$^{\circ}\text{C}$
weight			1.51		g
material	metal				
RoHS	yes				

SOLDERABILITY

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

MECHANICAL DRAWING

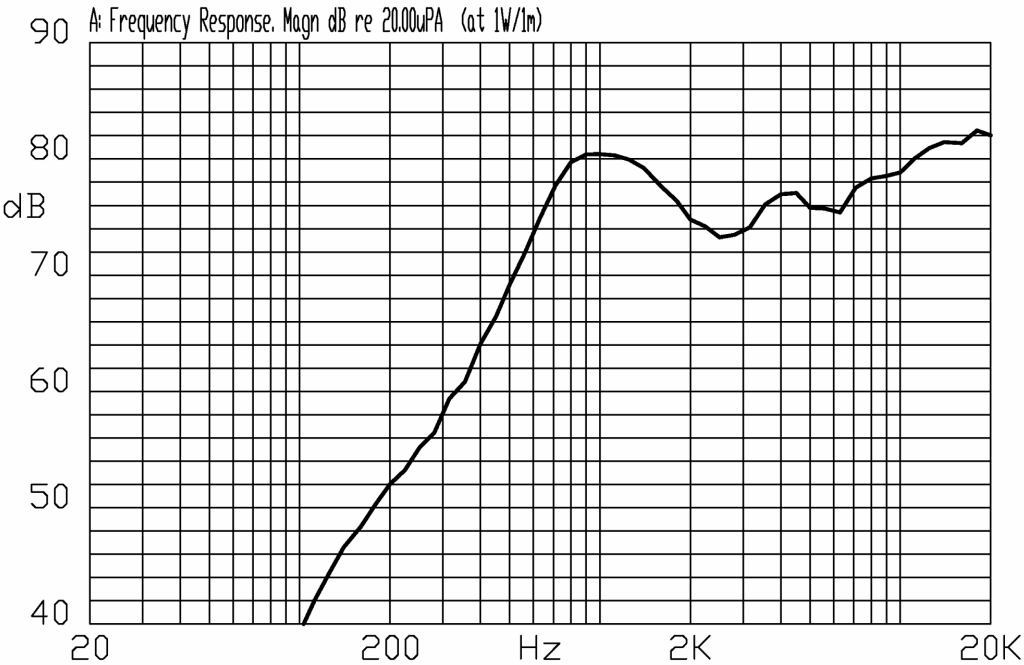
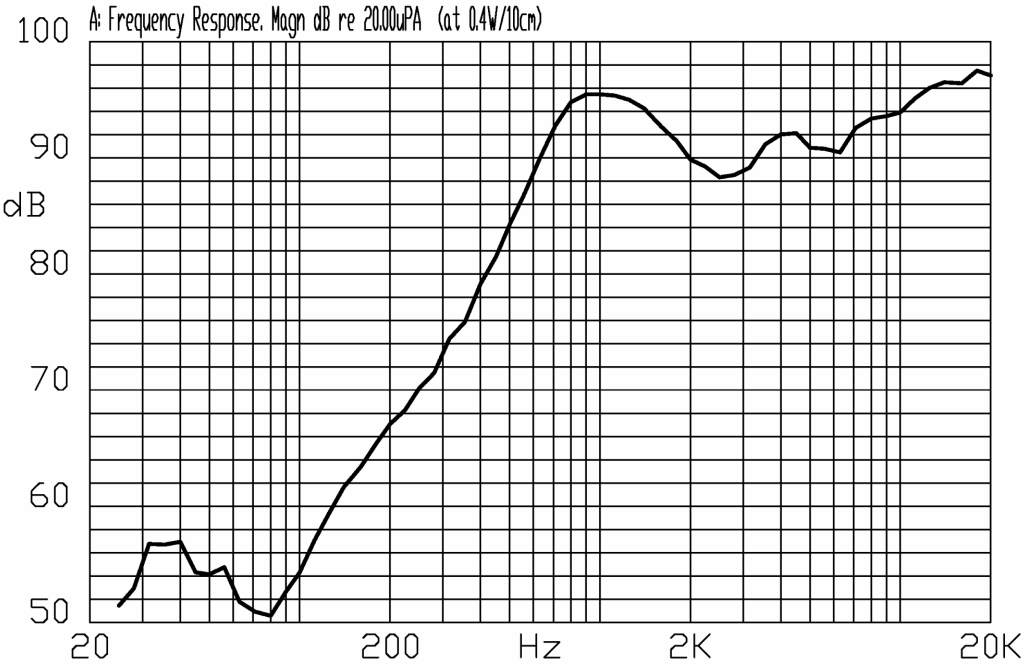
units: mm

tolerance: $\pm$ 0.3mm

RESPONSE CURVES

Frequency Response Curve

Test Conditions: 3.0 W / 0.1 m

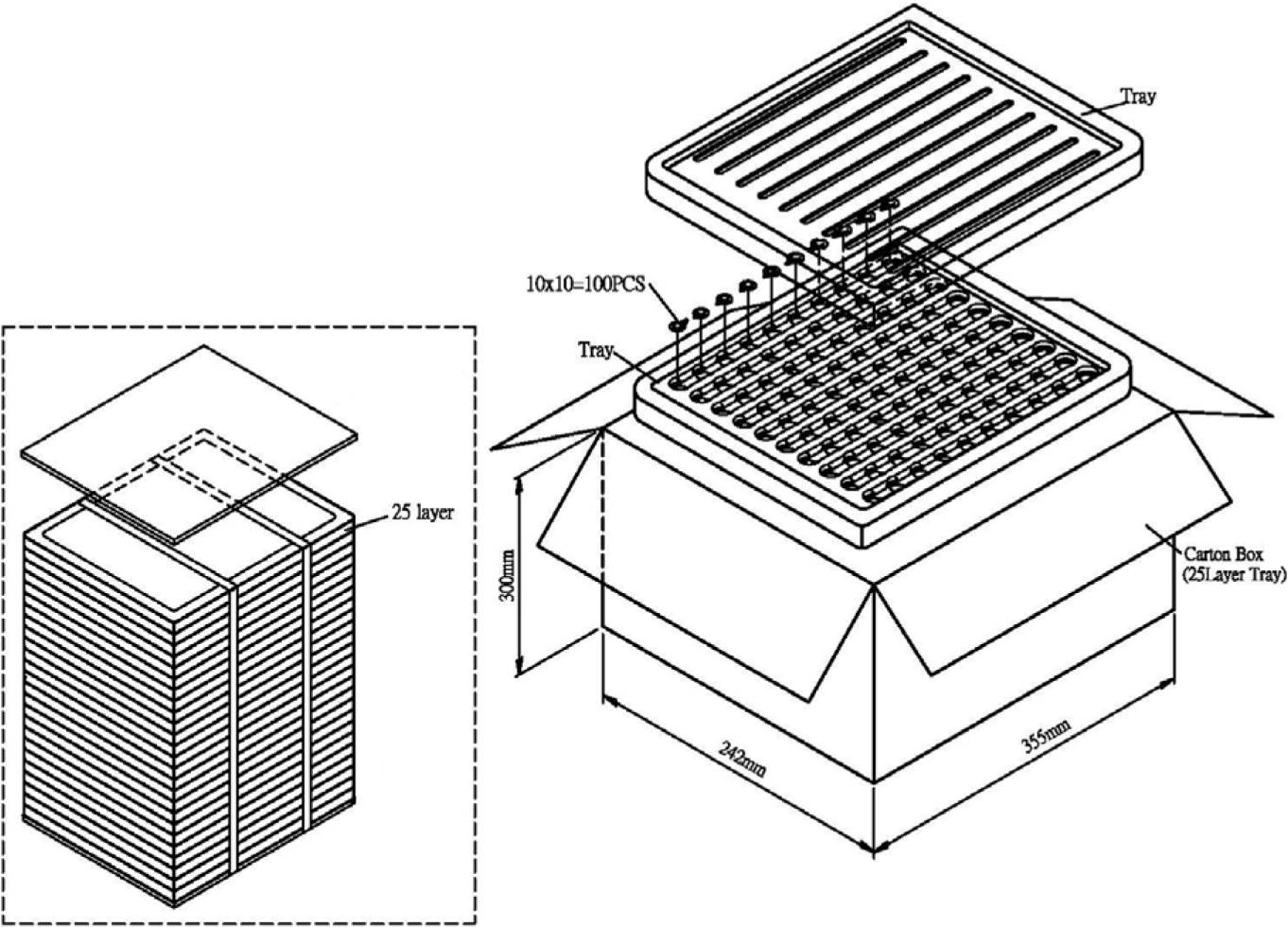


THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	3.737
Electrical Q Factor	Qes	7.802
Total Q Factor	Qts	2.527
Compliance Equivalent Volume	Vas	0.0063

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

PACKAGING



Tray	345mmx235mmx20mm	1x100PCS=100PCS
Carton Box	355mmx242mmx300mm	100PCSx25=2500PCS

REVISION HISTORY

rev.	description	date
1.0	initial release	11/08/2011
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	02/07/2025

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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