



**THE DATASHEET OF
CDMG15008-03A**





MODEL: CDMG15008-03A | **DESCRIPTION:** SPEAKER

FEATURES

- 15 mm round frame
- 0.3 W input power
- 8.0 Ohm
- PEI cone
- neodymium magnet



SPECIFICATIONS

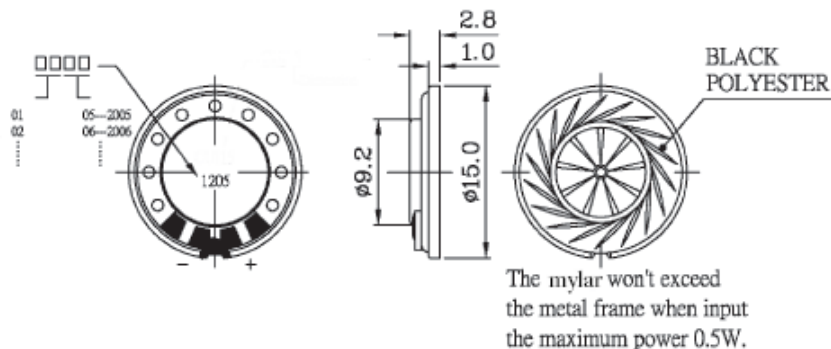
parameter	conditions/description	min	typ	max	units
input power	max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp		0.3	0.5	W
impedance	at 1.5 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency	at 1 V	720	900	1,080	Hz
response				20,000	Hz
sound pressure level	at 0.3 W, 10 cm ave. at 1.0, 1.2, 1.5, 2.0 kHz	87	92	95	dB
	at 1.0 W, 1 m ave. at 1.0, 1.2, 1.5, 2.0 kHz	85	88	91	dB
distortion	at 1.5 kHz, 0.3 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo-20 kHz			1.55	V
dimensions	$\varnothing 15 \times 2.8$				mm
magnet	Nd-Fe-B				
material	metal				
cone material	PEI				
terminal	solder pads				
operating temperature		-40		85	$^{\circ}\text{C}$
weight			1.2		g
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3±1 seconds	360	370	380	$^{\circ}\text{C}$

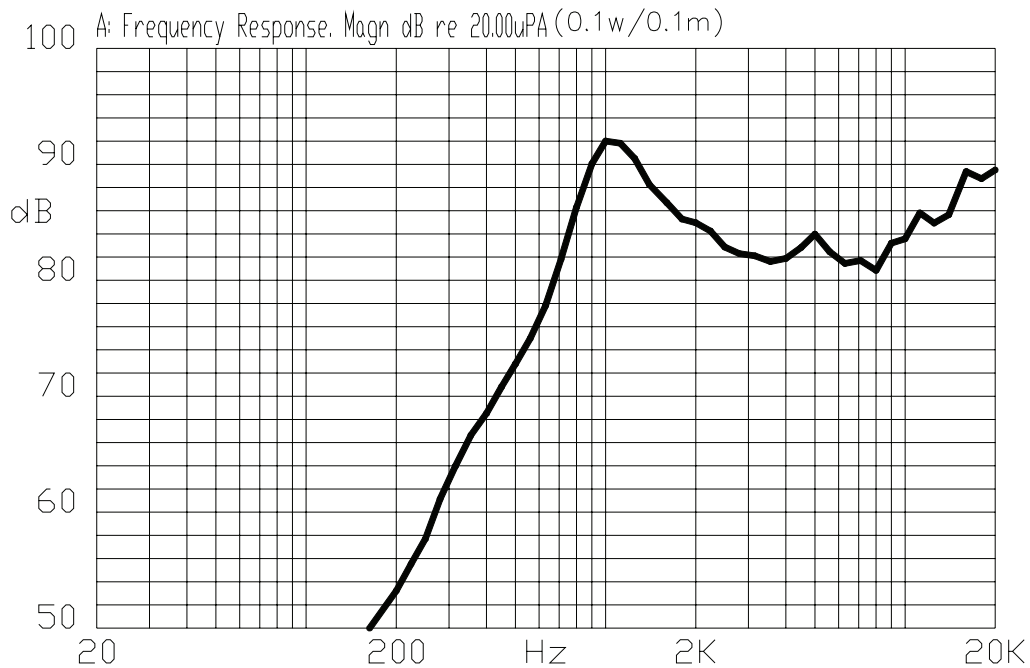
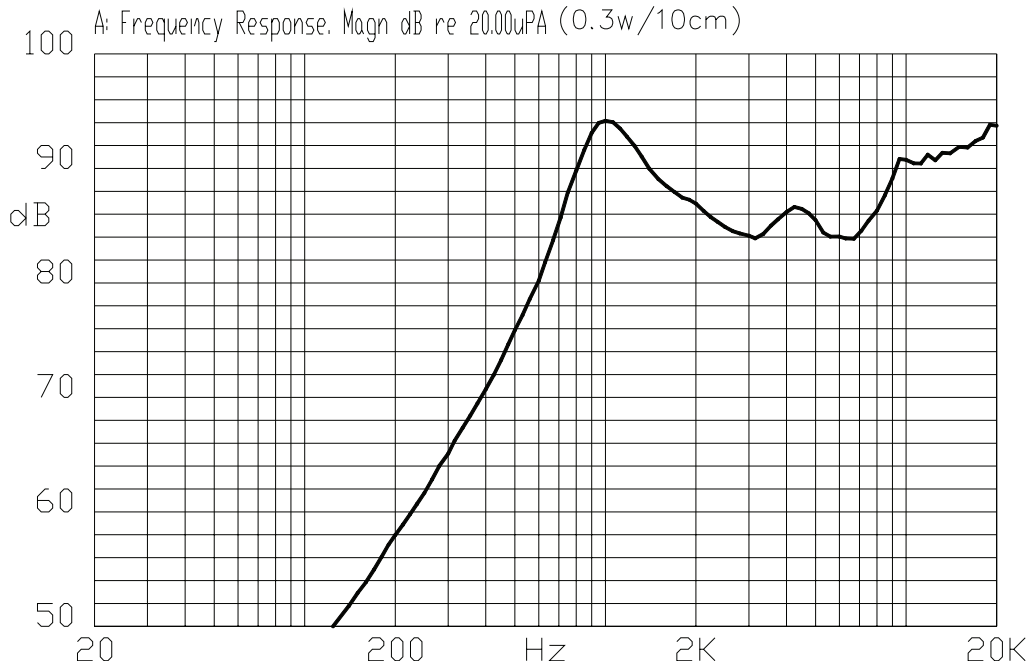
MECHANICAL DRAWING

units: mm
tolerance: ± 0.2 mm



RESPONSE CURVES

Frequency Response Curve



THIELE-SMALL PARAMETERS

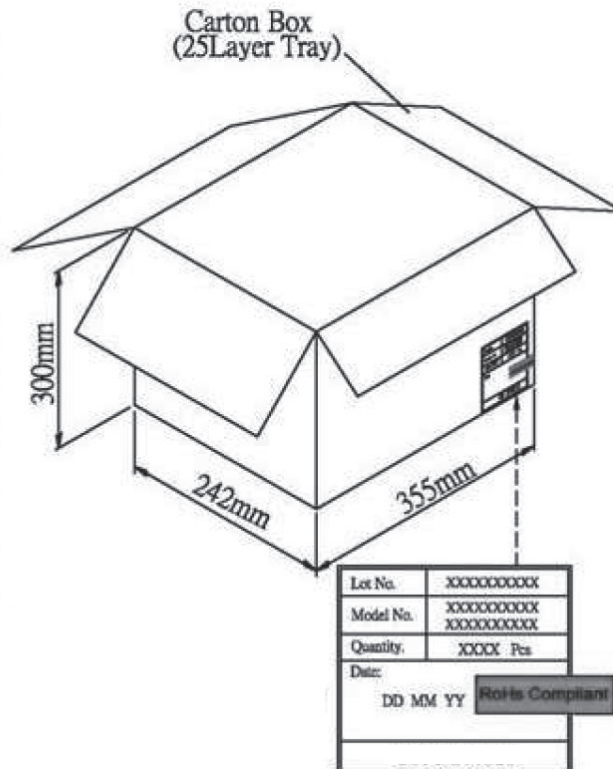
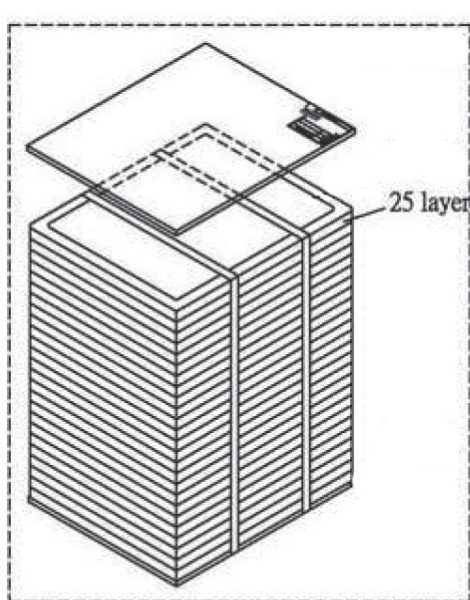
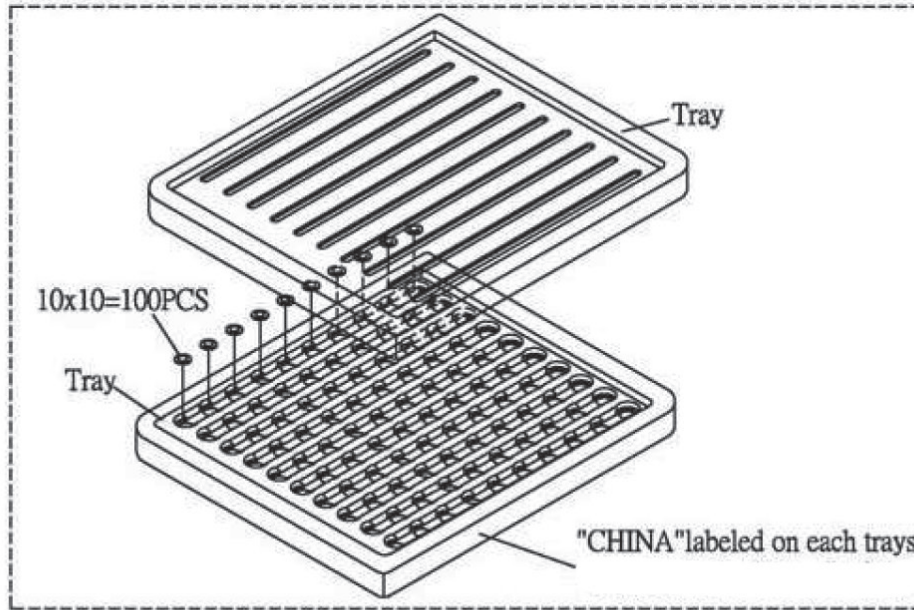
parameter	conditions/description	typ
Mechanical Q Factor	Qms	9.5705
Electrical Q Factor	Qes	13.9718
Total Q Factor	Qts	5.6799
Compliance Equivalent Volume	Vas	0.0102

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

PACKAGING

units: mm

Tray Size: 350 x 235 x 20 mm
 Tray QTY: 100 pcs per tray
 Carton Size: 355 x 242 x 300 mm
 Carton QTY: 2,500 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	12/06/2006
1.01	brand update	04/15/2021
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.



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