

**MODEL:** CDM-20008 | **DESCRIPTION:** SPEAKER**FEATURES**

- metal frame
- PEN cone

**SPECIFICATIONS**

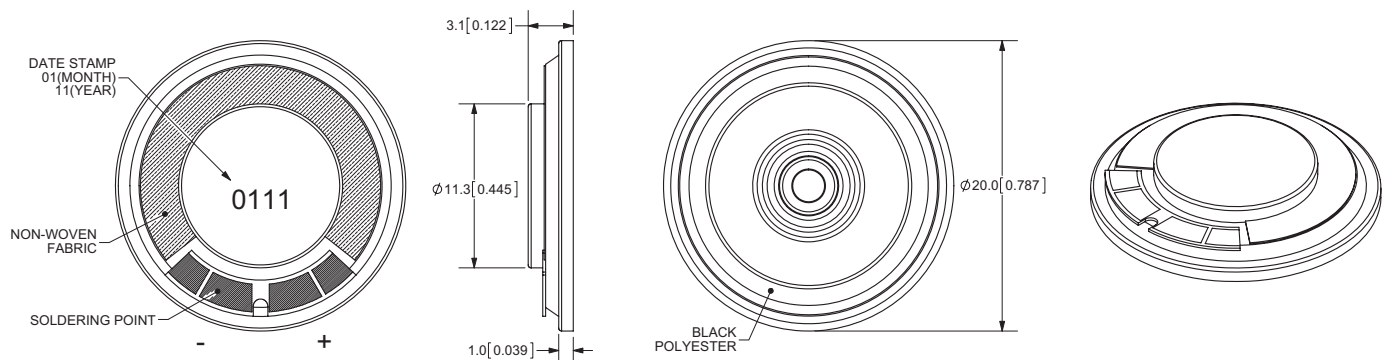
parameter	conditions/description	min	typ	max	units
diameter			20		mm
depth			3.1		mm
input power	max. power: IEC-60268-5, filter 60 s on / 120 s off, 10 cycles at room temp		3.0	0.5	W
impedance	at 1 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency	at 1 V	448	560	672	Hz
sound pressure level	0.3 W, 10 cm ave. at 1.0, 1.2, 1.5, 2.0 kHz	89	92	95	dB
response				7,000	Hz
distortion	at 1 kHz, 0.3 W			5	%
buzz, rattle, etc.	must be normal at sine wave 1.54 V				
magnet size	8.0 x 1.0 mm (Nd-Fe-B)				
operating temperature		-20		55	$^{\circ}\text{C}$
weight			2.3		g
material	metal				
RoHS	yes				

SOLDERABILITY

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

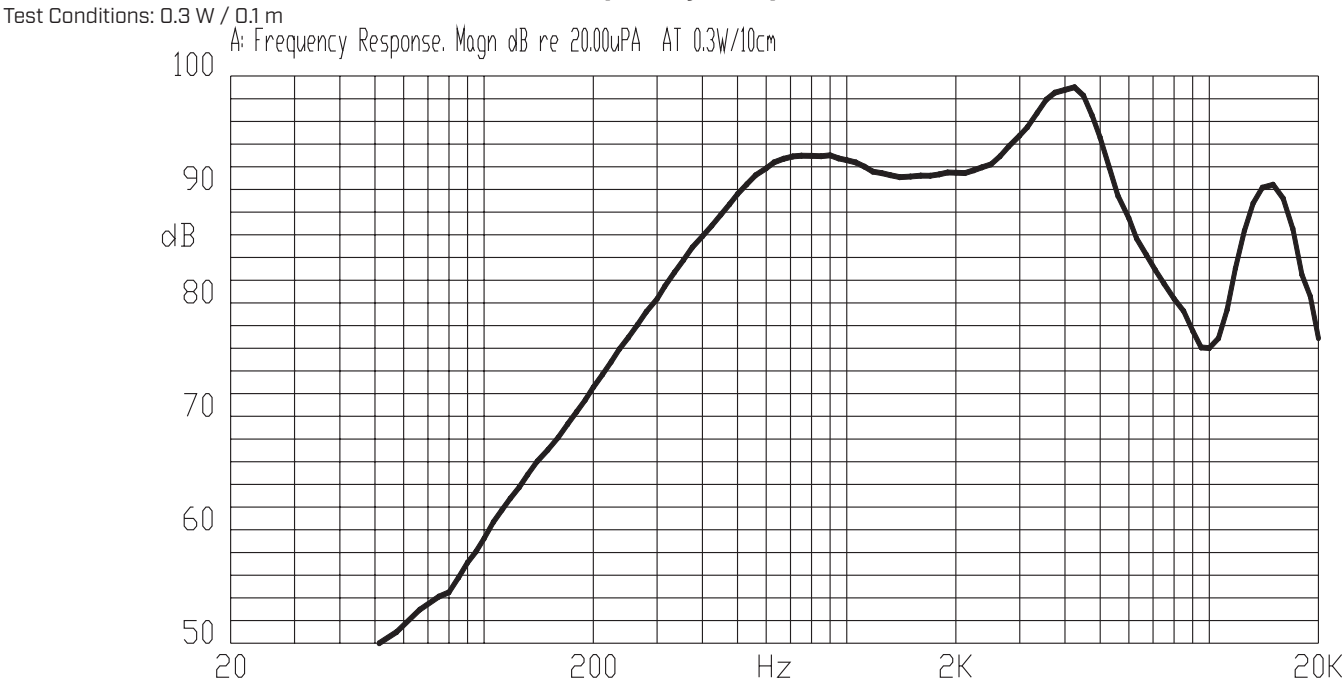
MECHANICAL DRAWING

units: mm

tolerance: $\pm$ 0.5mm

RESPONSE CURVES

Frequency Response Curve



THIELE-SMALL PARAMETERS

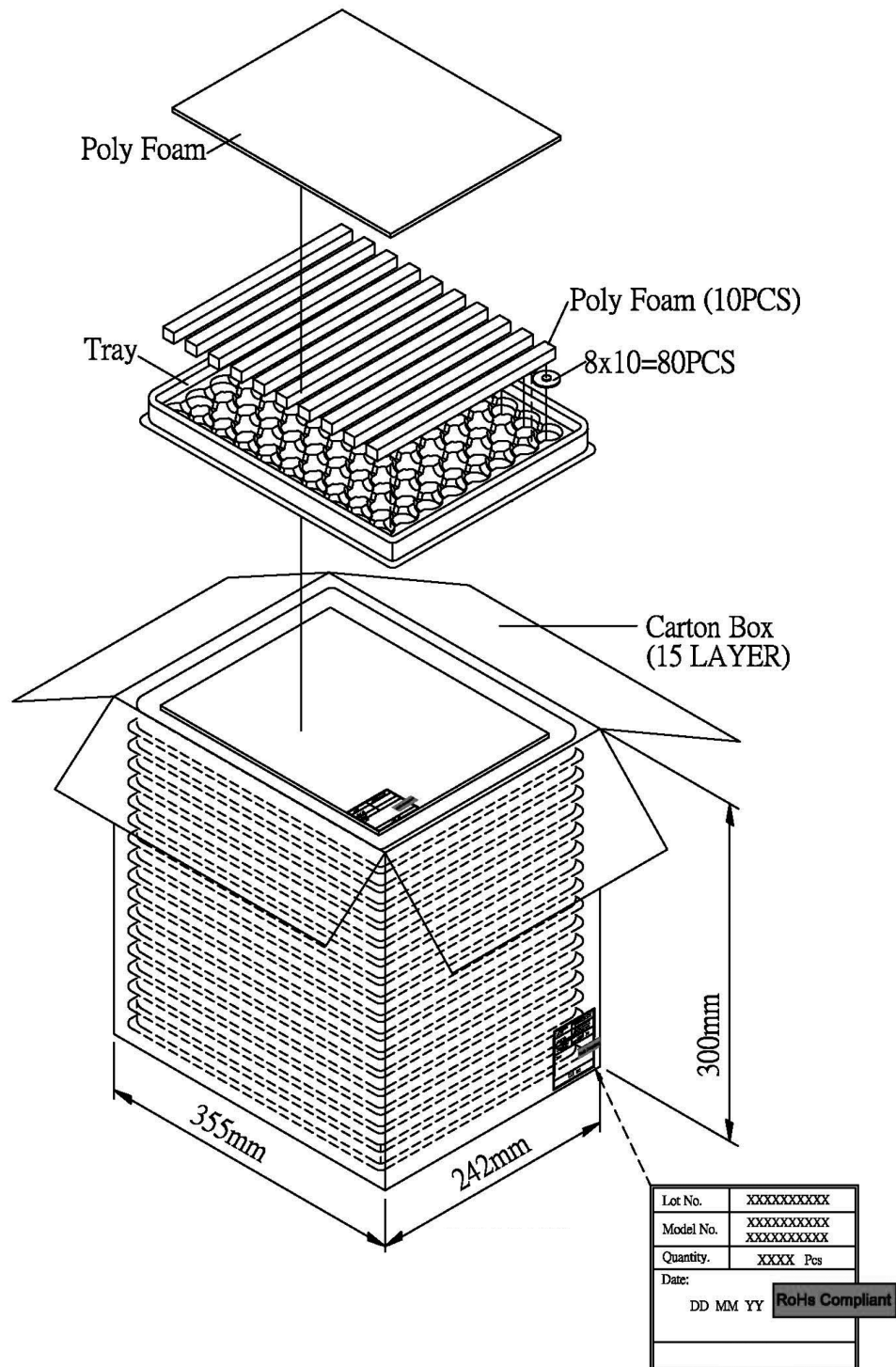
parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.0206
Electrical Q Factor	Qes	8.8014
Total Q Factor	Qts	1.6433
Compliance Equivalent Volume	Vas	0.0019

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

PACKAGING

units: mm

Tray QTY: 80 pcs per tray
Carton Size: 355 x 242 x 300 mm
Carton QTY: 1,200 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	11/09/2011
1.01	updated datasheet	12/12/2017
1.02	updated packaging QTY, brand update	12/17/2019
1.03	logo, datasheet style update	08/05/2022
1.04	CUI Devices rebranded to Same Sky	09/11/2024
1.05	added Thiele-Small Parameters	02/26/2025

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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