

**SERIES:** CMS-15113-076X-67 | **DESCRIPTION:** SPEAKER**FEATURES**

- IPX7 rated face
- protection against dust and water ingress
- micro-speaker
- 3 mm height
- 3 available contact methods

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	max power: as per IEC-268-5, in 1 cc box		0.7	1.0	W
impedance	at 2.0 kHz, 2.05 Vrms	5.1	6	6.9	Ω
coil resistance		4.59	5.4	6.21	Ω
resonant frequency (Fo)	at 1.0 Vrms in free air, 10 cm	480	600	720	Hz
	at 2.05 Vrms in 1 cc box, 10 cm	720	900	1,080	Hz
frequency response		100		20,000	Hz
sound pressure level	at 0.7 W, 10 cm, avg 0.8, 1.0, 1.5, 2.0 kHz, 1 cc box	89	92	95	dB
distortion	at 800~1,200 Hz, 2.05 Vrms, 10 cm			15	%
	at 1,201~5,000 Hz, 2.05 Vrms, 10 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, 0.2~2 kHz, 1 cc box			2.05	Vrms
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	15 x 11 x 3				mm
magnet	Nd-Fe-B				
cone material	mylar				
weight			1.5		g
operating temperature		-20		70	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds (N/A for spring contacts)			380	$^{\circ}\text{C}$
RoHS	yes				
IP level	IPX7 (front side)				

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$, humidity at 25~75%, under 86~106 kPa pressure, unless otherwise noted.

PART NUMBER KEY**CMS-15113-076 XX - 67**

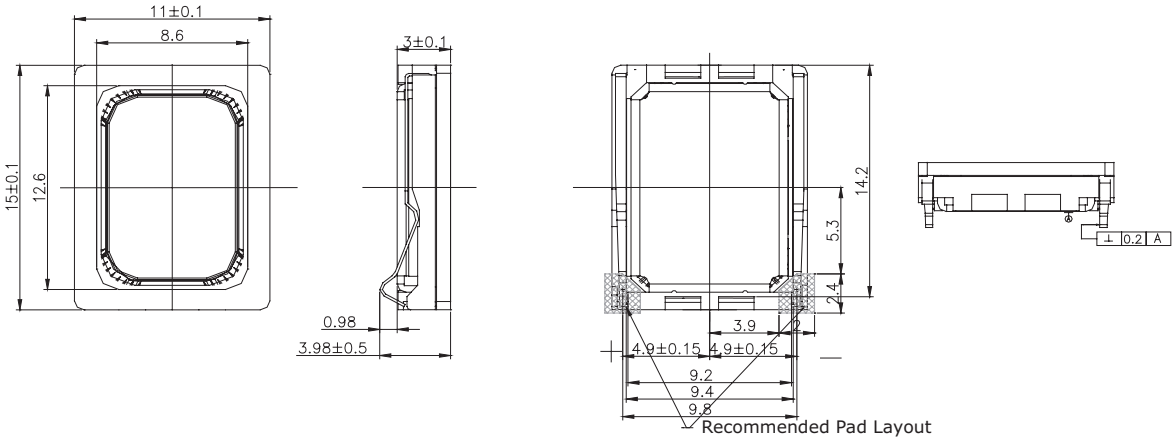
Base Number

Termination Options:
S = spring contacts
SP = solder pads
L100 = wire leads

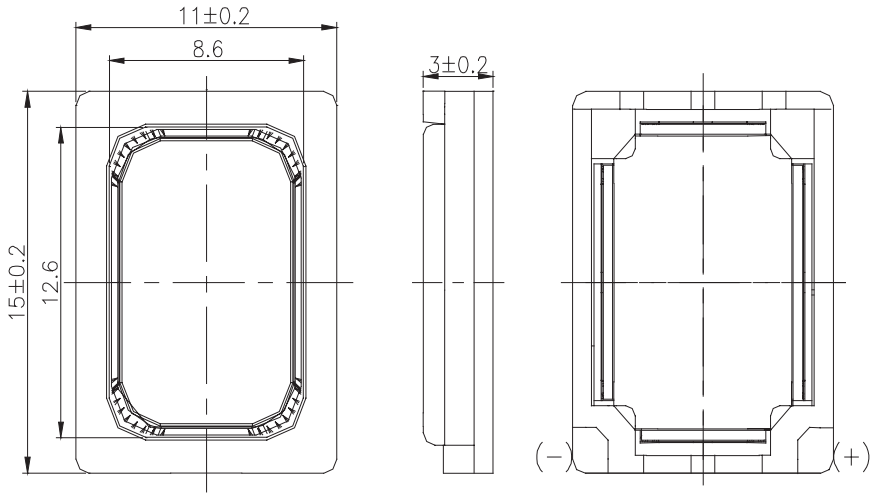
MECHANICAL DRAWINGS

units: mm
tolerance: ± 0.2 mm

SPRING CONTACTS

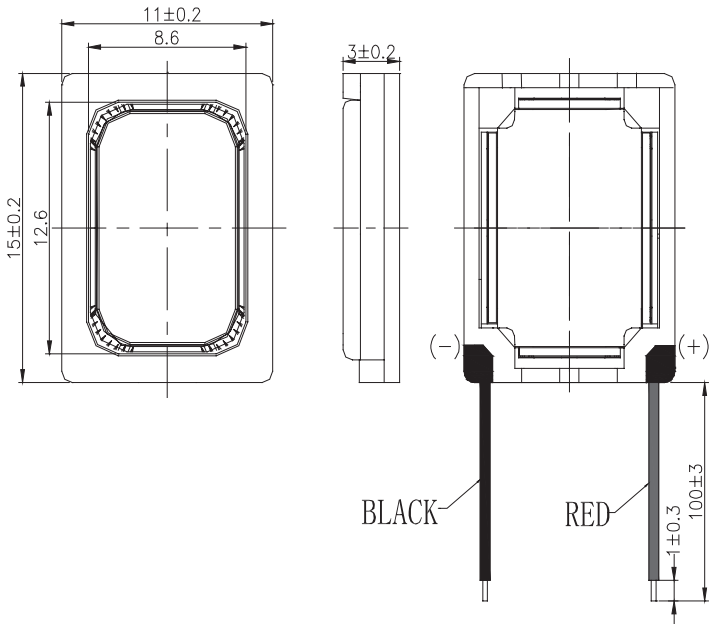


SOLDER PADS



WIRE LEADS

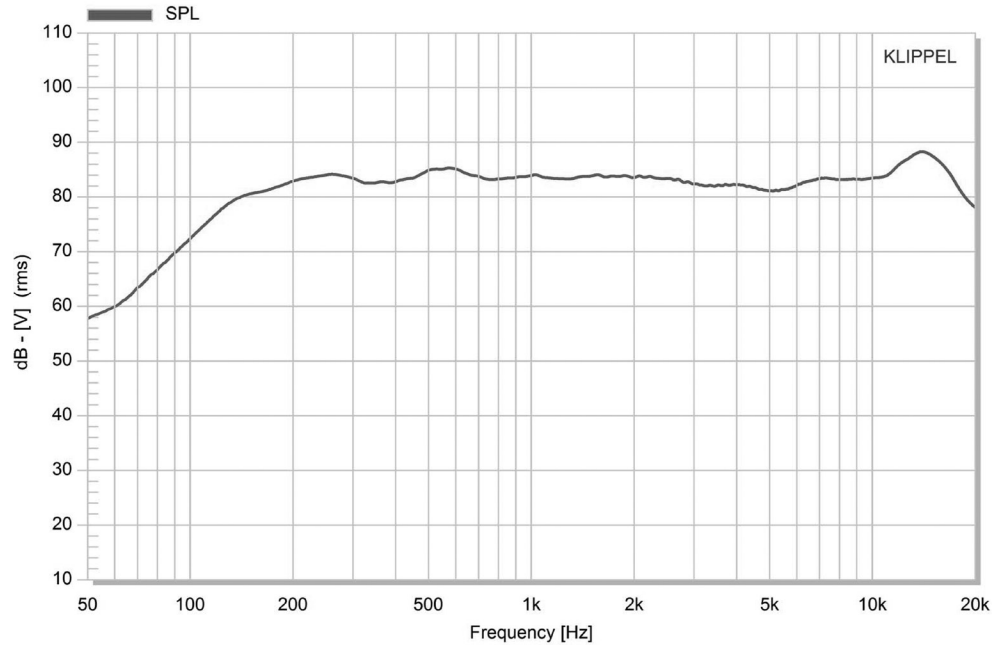
wire: UL 1571, 32 AWG



RESPONSE CURVES

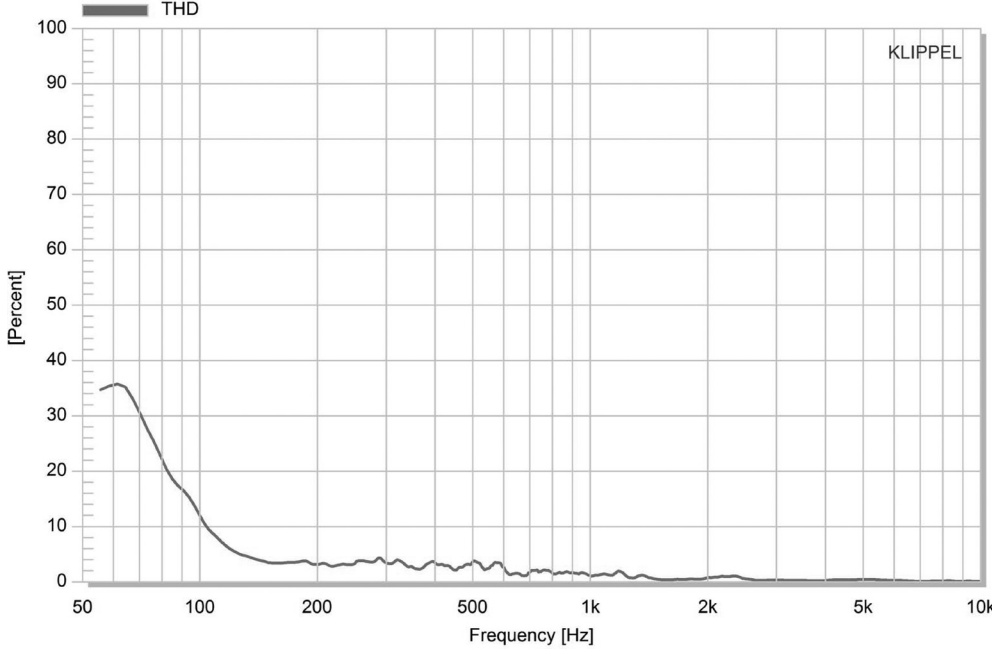
Frequency Response Curve

Test Conditions: 2.05 Vrms / 10 cm in 1 cc box



Total Harmonic Distortion Curve

Test Conditions: 2.05 Vrms / 10 cm in 1 cc box



THIELE-SMALL PARAMETERS

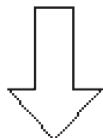
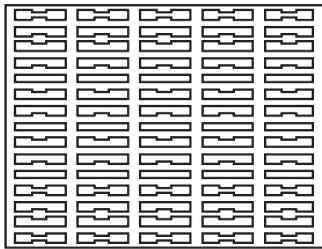
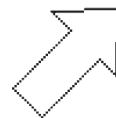
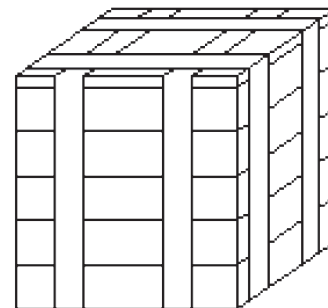
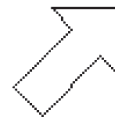
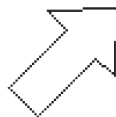
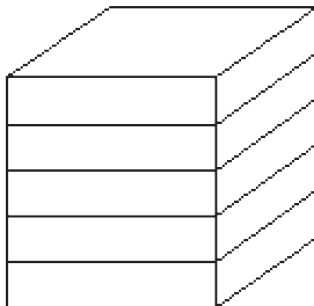
parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.607
Electrical Q Factor	Qes	5.856
Total Q Factor	Qts	1.804
Compliance Equivalent Volume	Vas	0.0006

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

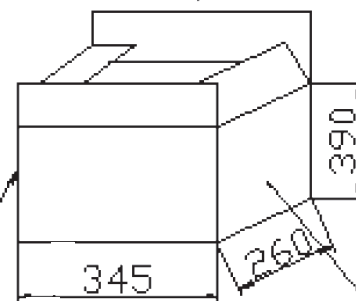
PACKAGING

units: mm

Tray QTY: 150 pcs per tray
Carton Size: 345 x 260 x 390 mm
Carton QTY: 4,500 pcs per carton

 $150\text{PCS} \times 1 = 150\text{PCS}$  $150\text{PCS} \times 30 = 4500\text{PCS}$ 

BIG BOX



6	11
7	7
MODEL:	
QTY:	PCS
NW:	kg
G.W:	kg
SIZE:	345x260x390mm
LOT NO	

REVISION HISTORY

rev.	description	date
1.0	initial release	07/23/2018
1.01	brand update	01/24/2020
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	03/25/2025
1.05	updated IP rating	04/18/2025

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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