

**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**

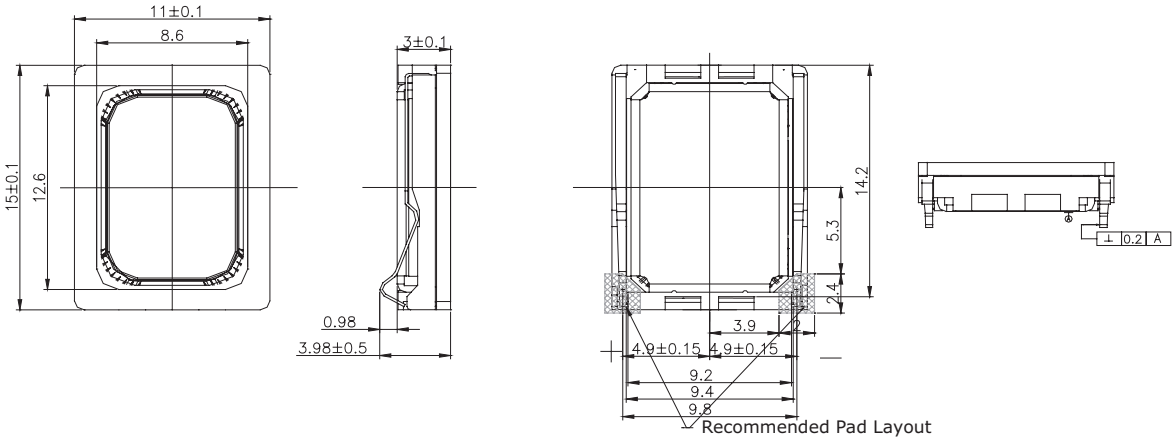
Base Number

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

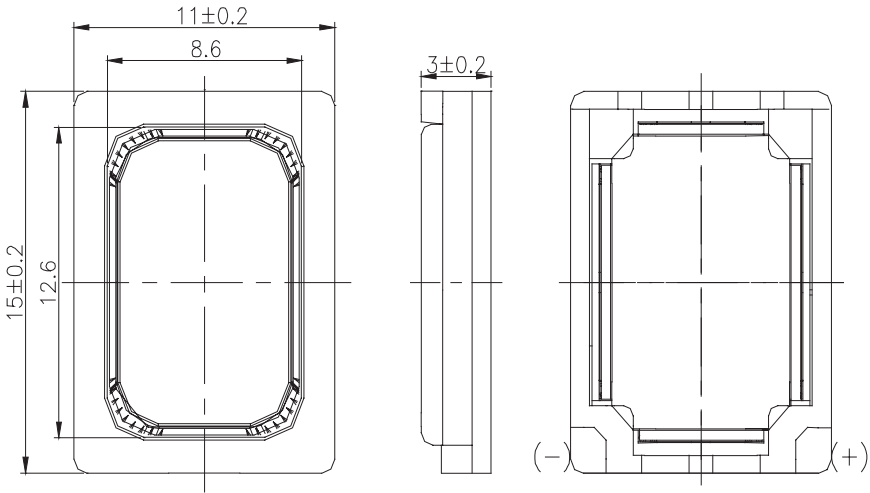
MECHANICAL DRAWINGS

units: mm
tolerance: ± 0.2 mm

SPRING CONTACTS

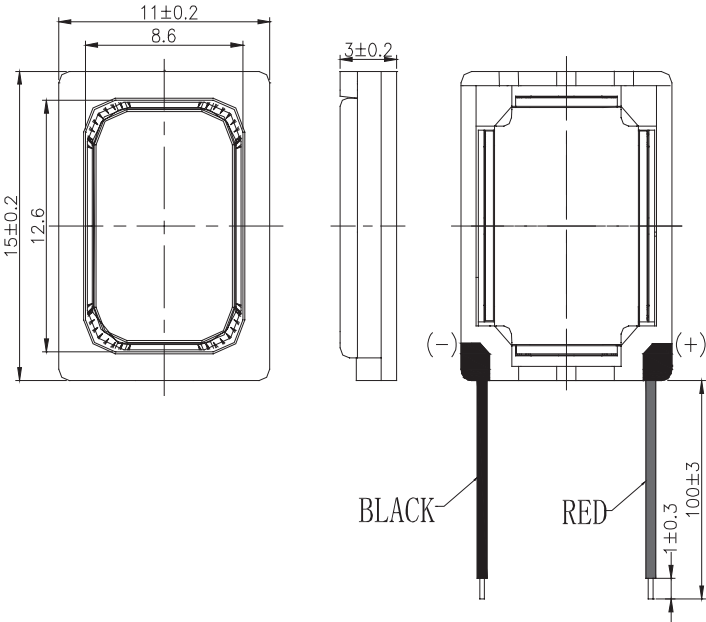


SOLDER PADS



WIRE LEADS

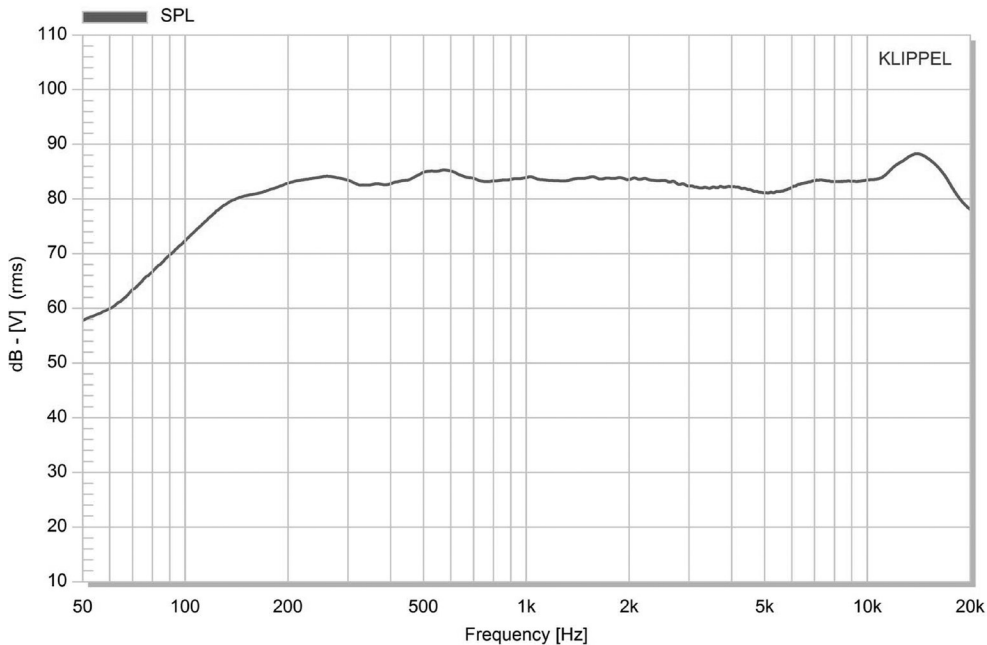
wire: UL 1571, 32 AWG



RESPONSE CURVES

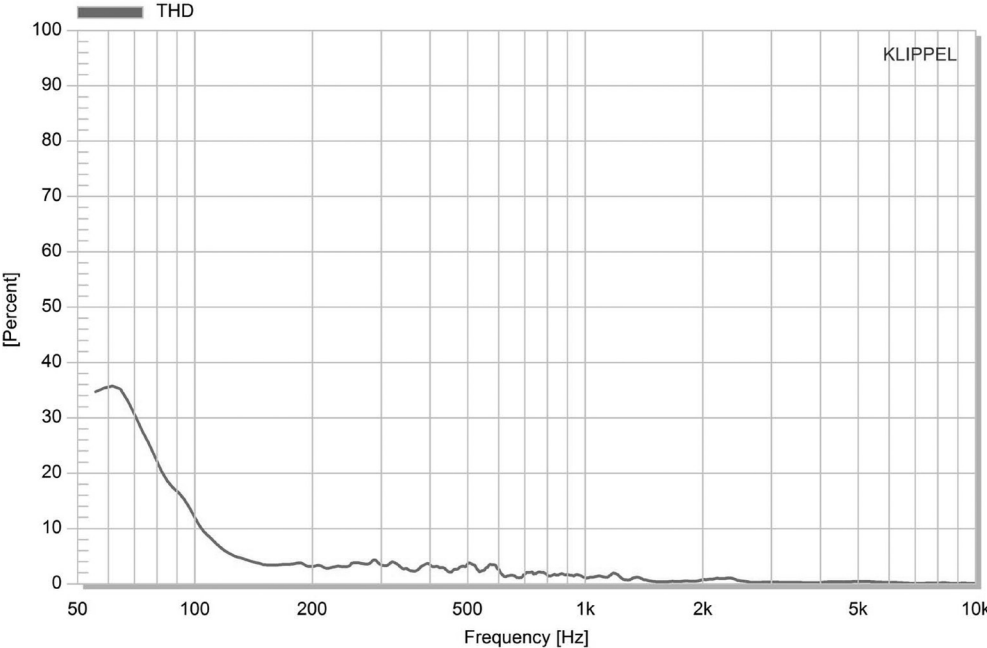
Frequency Response Curve

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

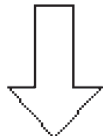
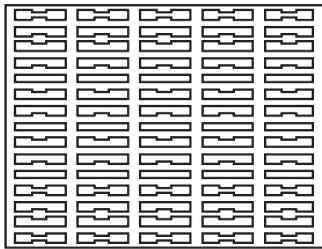
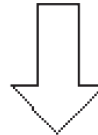
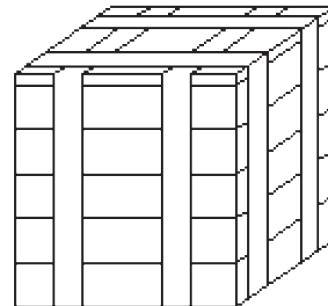
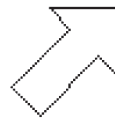
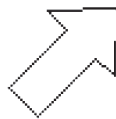
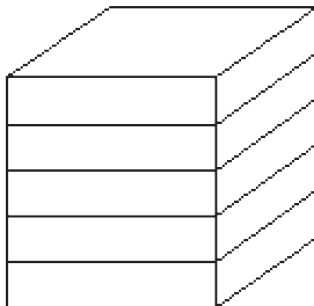
parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.607
Electrical Q Factor	Qes	5.856
Total Q Factor	Qts	1.804
Compliance Equivalent Volume	Vas	0.0006

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

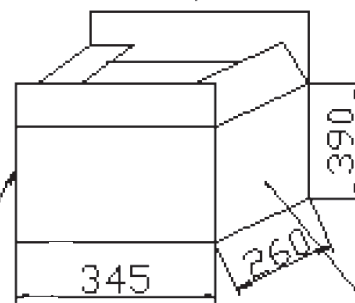
PACKAGING

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	5
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.

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