

**MODEL:** CSK-AUDIO-001 | **DESCRIPTION:** AUDIO KIT**FEATURES**

- Speakers
  - IP67 rated face
  - micro speaker
- Microphones
  - IP67 rated face
  - omnidirectional
  - high ADP of 130 dB
- Buzzers
  - IP67 rated
  - piezo
  - externally driven

**SPEAKERS**

	QTY	contact method	input power	impedance	SPL	resonant frequency	dimensions
			typ [W]	typ [ $\Omega$ ]	min [dB]	typ [Hz]	typ [mm]
CMS-151125-076S-67	4	Spring Contact	0.7	6	92.5	550 $\pm$ 110	15 x 11 x 2.5
CMS-151125-078SP-67	4	Solder Pad	0.7	8	91	700 $\pm$ 140	15 x 11 x 2.5
CMS-151125-078S-67	4	Spring Contact	0.7	8	91	700 $\pm$ 140	15 x 11 x 2.5
CMS-15113-076SP-67	4	Solder Pad	0.7	6	92	600 $\pm$ 120	15 x 11 x 3
CMS-15113-078SP-67	4	Solder Pad	0.7	8	91	700 $\pm$ 140	15 x 11 x 3
CMS-151135-076S-67	4	Spring Contact	0.7	6	92	600 $\pm$ 120	15 x 11 x 3
CMS-160925-078SP-67	4	Solder Pad	0.7	8	90	550 $\pm$ 110	16 X 9 2.5
CMS-160925-078S-67	4	Spring Contact	0.7	8	90	550 $\pm$ 110	16 X 9 2.5
CMS-16093-076S-67	4	Spring Contact	0.7	6	90	600 $\pm$ 120	16 x 9 x 3
CMS-16093-078L100-67	4	Wire Leads	0.7	8	90	550 $\pm$ 110	16 x 9 x 3
CMS-181325-078SP-67	4	Solder Pad	0.7	8	93	800 $\pm$ 160	18 x 13 x 2.5
CMR-12062S-67	4	Spring Contact	0.020	32	117	450 $\pm$ 90	12 x 6 x 2

**MICROPHONES**

	QTY	directivity	sensitivity	operating voltage	current consumption	terminal	dimensions
			typ [dB]	typ [Vdc]	max [mA]		typ [mm]
CMC-4015-130T	4	Omnidirectional	-42	2	0.5	Solder Pad	$\varnothing$ 4.0 x 1.5
CME-1538-100LB	4	Omnidirectional	-38	2	0.5	Wire Lead	$\varnothing$ 4.0 x 1.5
CMC-4015-25L100	4	Omnidirectional	-25	3	0.5	Wire Lead	$\varnothing$ 4.0 x 1.5

**BUZZERS**

	QTY	operating voltage	current consumption	rated frequency	SPL @ 10 cm	terminal	dimensions
			max [mA]	typ [Hz]	min [dB]		typ [mm]
CPT-1495C1-300	4	30 Vp-p	12	4250	84	Pin Type	$\varnothing$ 4.0 x 10
CPE-267	2	12 Vdc	35	2800 $\pm$ 500	85	Wire Lead	$\varnothing$ 25 x 16
CPE-243	4	12 Vdc	35	5000 $\pm$ 500	80	Wire Lead	$\varnothing$ 4.0 x 10

## IP RATING

IP RATING CHART		
IP LEVEL	First Digit: Ingress of solid objects	Second Digit: Ingress of liquids
0	No protection	No protection
1	Protected against solid objects over 50 mm e.g. hands, large tools.	Protected against vertically falling drops of water or condensation.
2	Protected against solid objects over 12.5 mm e.g. hands, large tools.	Protected against falling drops of water, if the case is disposed up to 15° from vertical.
3	Protected against solid objects over 2.5 mm e.g. wire, small tools.	Protected against sprays of water from any direction, even if the case is disposed up to 60° from vertical.
4	Protected against solid objects over 1.0 mm e.g. wires.	Protected against splash water from any direction.
5	Limited protection against dust ingress. (no harmful deposit)	Protected against low pressure water jets from any direction. Limited ingress permitted.
6	Totally protected against dust ingress.	Protected against high pressure water jets from any direction. Limited ingress permitted.
7	N/A	Protected against short periods of immersion in water.
8	N/A	Protected against long, durable periods of immersion in water.
9k	N/A	Protected against close-range high pressure, high temperature spray downs.

## REVISION HISTORY

rev.	description	date
1.0	initial release	02/13/2020
1.01	logo, datasheet style update	10/26/2022

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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