

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

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



SPEAKERS	QTY	contact method	input power	impedance	SPL	resonant frequency	dimensions
			typ (W)	typ (Ω)	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

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

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