CUI DEVICES

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

RoHS

SPEAKERS

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

MICROPHONES

	QTY	directivity	sensitivity typ (dB)	operating voltage typ (Vdc)	current consumption max (mA)	terminal	dimensions typ (mm)
CMC-4015-130T	4	Omnidirectional	-42	2	0.5	Solder Pad	Ø4.0 x 1.5
CME-1538-100LB	4	Omnidirectional	-38	2	0.5	Wire Lead	Ø4.0 x 1.5
CMC-4015-25L100	4	Omnidirectional	-25	3	0.5	Wire Lead	Ø4.0 x 1.5

BUZZERS

	QTY	operating voltage	current consumption max (mA)	rated frequency typ (Hz)	SPL @ 10 cm min (dB)	terminal	dimensions typ (mm)
CPT-1495C1-300	4	30 Vp-p	12	4250	84	Pin Type	Ø4.0 x 10
CPE-267	2	12 Vdc	35	2800 ± 500	85	Wire Lead	Ø25 x 16
CPE-243	4	12 Vdc	35	5000 ± 500	80	Wire Lead	Ø4.0 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 15º 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 60º from vertical.
4	Protected against solid objects over 1.0 mm e.g. wires.	Protected against splash water from any direction.
5	Limted protection against dust ingress. (no harmful deposit)	Protected against low pressure water jets from any direction. Limited ingress permittied.
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.

CUI DEVICES

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

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices 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.

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