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## INDICATORS • SPEAKERS • SOUND TRANSDUCERS • ENCLOSURES • MICROPHONES • BATTERY ACCESSORIES

## CM03M-03S42-MA-2

Former P/N: CM03OS-0342-A2

Rev. 4-2020 RoHS3 & REACH Omni Directional Microphones



## **Operating Characteristics**

ELECT	RICAL		
	Туре	Analog	
	Rated Voltage	2 VDC	
	Operating Voltage	1.5 to 3.6 VDC	
	Capacitance	N/A	
	Max Current	0.1 mA	
	Impedance	300 Ω	
ACOU	STIC @ 1000 Hz		
	Technology	MEMS	
	Directionality	Omni Directional	
	Sensitivity	-42 ± 3 dBV/Pa	

58 dB

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## **Physical Characteristics**

Min S/N

MATERIAL		Φ 0.5		Recommended Land Pattern
Solder Gold Plated Copper Pads Foil				1.15
TEMPERATURE RANGES		1.18 E		
Operating -40 to +100 °C				
Storage -40 to +100 °C		-		
Weight 0.03 g	3.76	/	3.29	566
	Pick Area	,		
		1.77	0.23	- Unit: mm, Tolerance: ±0.1mm

2.24

Pick Area only extends to 0.25mm of any edge or hole unless otherwise specified

Pin 1	Pin 2	Pin 3	Pin 4
VDD	GND	GND	DAT

Revision	Description	Ву	Date
3-2019	Migrate to new format	CF	2019-08-14
4-2020	Added solder pad pin out. Corrected sensitivity from 42 dB to -42 dBV/Pa.	JL	2020-02-07

Warranty: For a period of one (1) year from date of shipping under normal operations conditions This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

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