

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

CM02M-03S38-MA-1

Former P/N: CM2OS-0338-A1

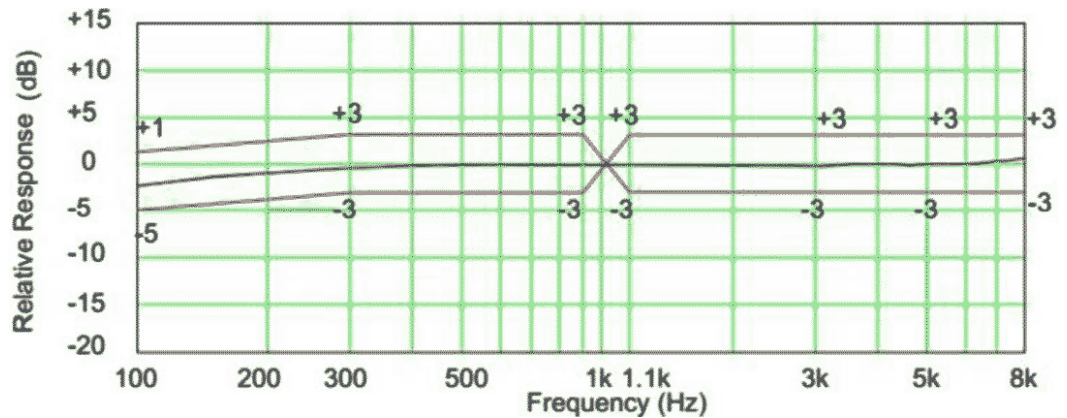
Rev. 5-2020
RoHS3 & REACH
Omni Directional Microphones



Operating Characteristics

ELECTRICAL	
Type	Analog
Rated Voltage	2 VDC
Operating Voltage	1.5 to 3.6 VDC
Capacitance	50+50 pF
Max Current	0.15 mA
Impedance	400 Ω

ACOUSTIC @ 1000 Hz	
Technology	MEMS
Directionality	Omni Directional
Sensitivity	-38 ± 1 dBV/Pa
Min S/N	60 dB

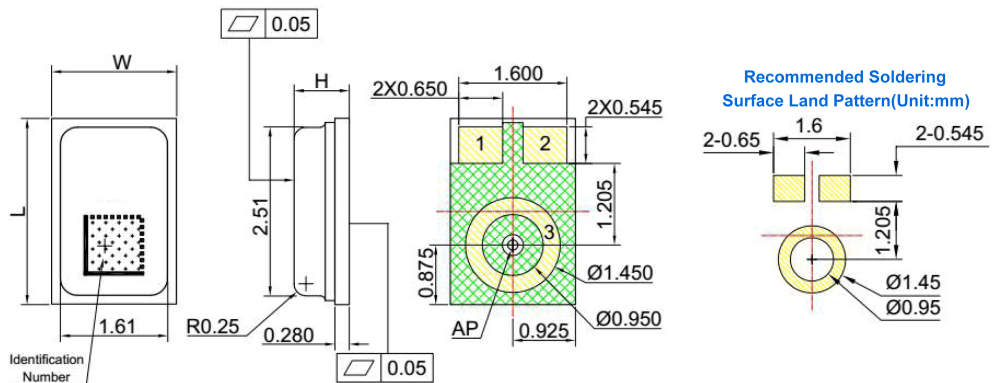


Physical Characteristics

MATERIAL	
Solder Pads	Gold Plated Copper Foil

TEMPERATURE RANGES	
Operating	-40 to +70 °C
Storage	-40 to +100 °C

Weight	0.02 g
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Top View

Bottom View

Pin#	Function
1	Power
2	Output
3	GND

Item	Dimension	Tolerance	Units
Length(L)	2.75	±0.10	mm
Width(W)	1.85	±0.10	mm
Height(H)	0.90	±0.10	mm
Acoustic Port(AP)	Ø0.15	±0.05	mm

Revision	Description	By	Date
4-2020	Corrected sensitivity from 38 dB to -38 dBV/Pa. Updated mechanical drawing with solder pad pin out.	JL	2020-02-03
5-2020	Added test condition to acoustic specs (1000 Hz)	WS	2020-04-30

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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