

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

## CM03M-03S38-MA-1

Former P/N: CM03OS-0338-A1

Rev. 0-2019  
RoHS3 & REACH  
Omni Directional Microphones



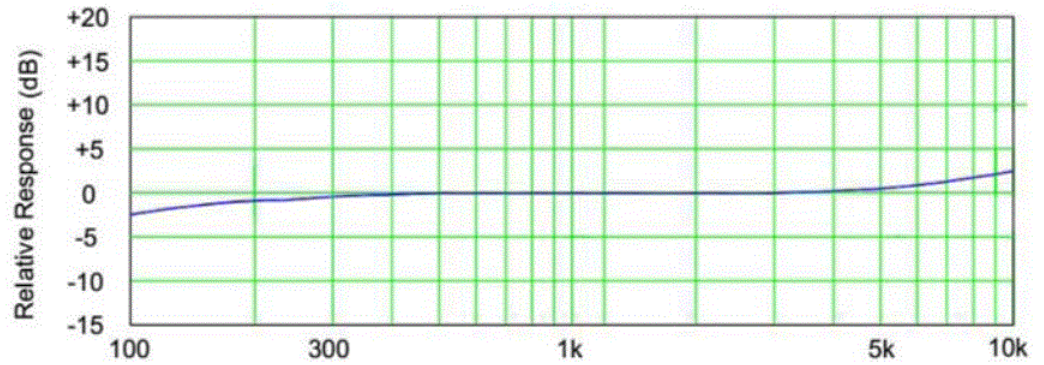
### Operating Characteristics

#### ELECTRICAL

Type	Analog
Rated Voltage	2.0 VDC
Operating Voltage	1.8 to 3.6 VDC
Capacitance	50+50 pF
Max Current	200 mA
Impedance	450 Ω 1000 Hz

#### ACOUSTIC

Technology	MEMS
Directionality	Omni Directional
Sensitivity	38 ± 1 dB
Min S/N	65 dB



### Physical Characteristics

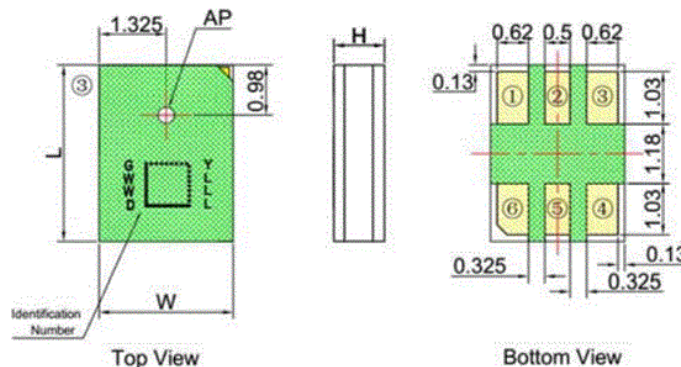
#### MATERIAL

Solder Pad	Gold Plated Copper Foil
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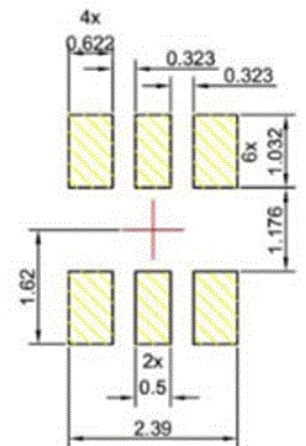
#### TEMPERATURE RANGES

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

Weight 0.03 g



#### Recommended Soldering Surface Land Pattern (Unit:mm)



Pin#	Function
1	GND
2	GND
3	GND
4	Output
5	GND
6	Power

ITEM	DIMENSION	TOLERANCE	UNIT
Length(L)	3.50	±0.10	mm
Width(W)	2.65	±0.10	mm
Height(H)	1.00	±0.10	mm
ACOUSTIC PORT(AP)	Ø0.325	±0.05	mm

Revision	Description	By	Date
1-2019	Migrate to new format	CF	2019-06-27

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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