

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

## CM03M-03S42-MA-3

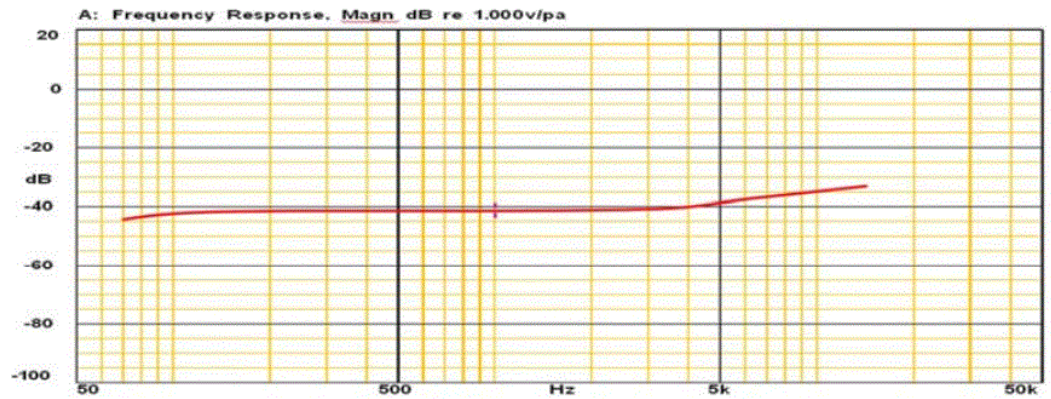
Former P/N: CM03OS-0342-A3

Rev. 4-2020  
RoHS3 & REACH  
Omni Directional Microphones



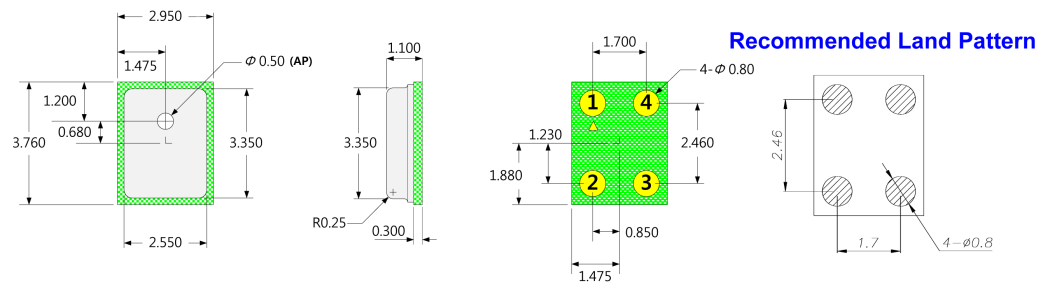
### Operating Characteristics

ELECTRICAL	
Type	Analog
Rated Voltage	2 VDC
Operating Voltage	1.5 to 3.6 VDC
Capacitance	N/A
Max Current	0.1 mA
Impedance	300 Ω
ACOUSTIC @ 1000 Hz	
Technology	MEMS
Directionality	Omni Directional
Sensitivity	-42 ± 3 dBV/Pa
Min S/N	59 dB



### Physical Characteristics

MATERIAL	
Solder Pads	Gold Plated Copper Foil
TEMPERATURE RANGES	
Operating	-40 to +100 °C
Storage	-40 to +100 °C
Weight	0.03 g



Unit: mm, Tolerance: ±0.1 mm

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

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

Revision	Description	By	Date
2-2019	Migrate to new format	CF	2019-08-14
3-2020	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.