

CM06M-05P32-BA-1

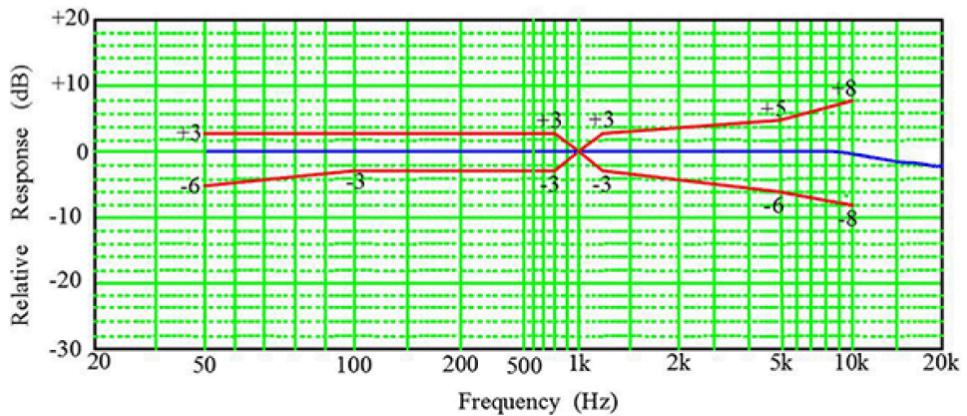
Rev. 0-2025
RoHS3 & REACH
Omni Directional Microphones

Operating Characteristics
ELECTRICAL

Type	Analog
Rated Voltage	2 VDC
Operating Voltage	2 to 5 VDC
Capacitance	10,000 pF
Max Current	0.5 mA
Max Output Impedance	2,200 Ω

ACOUSTIC @ 1,000 Hz

Technology	Back Electret
Directionality	Omni Directional
Sensitivity	-32 ± 3 dBV/Pa
Min S/N	67 dB
Acoustic Overload Point	125 dB SPL


Physical Characteristics
MATERIAL

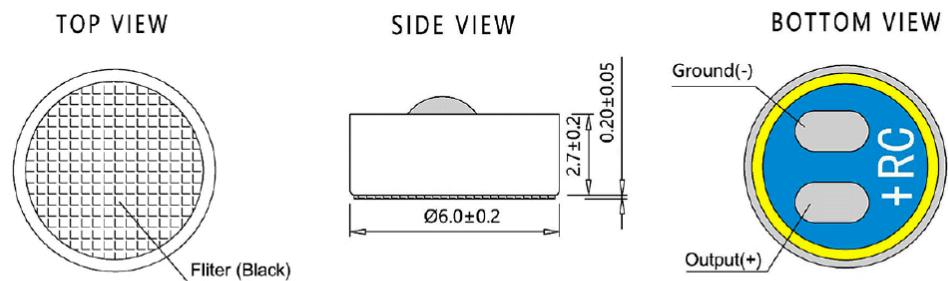
Housing	Aluminum Magnesium
Solder Pad	Copper

TEMPERATURE RANGES

Operating	-10 to +60 °C
Storage	-10 to +60 °C

Weight

0.18 g



General tolerance = ±0.1 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2025	Original Specification	KG	2025-12-10

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.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.