

## CM07U-10W45-BA-1

Former P/N: CM07UW-1045-BA1

Rev. 2-2019  
RoHS3 & REACH  
Uni Directional Microphones



### Operating Characteristics

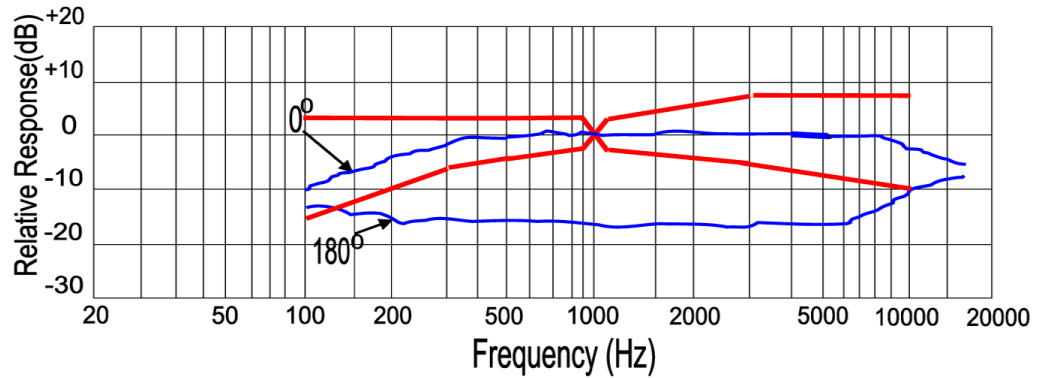
#### ELECTRICAL

Type	Analog
Rated Voltage	2.0 VDC
Operating Voltage	1.0 to 10.0 VDC
Capacitance	10+33 pF
Max Current	0.5 mA
Impedance	2200 Ω 1000 Hz

#### ACOUSTIC

Technology	Back Electret
Directionality	Uni Directional
Sensitivity	45 ± 3 dB
Min S/N	58 dB

### Frequency Response



### Physical Characteristics

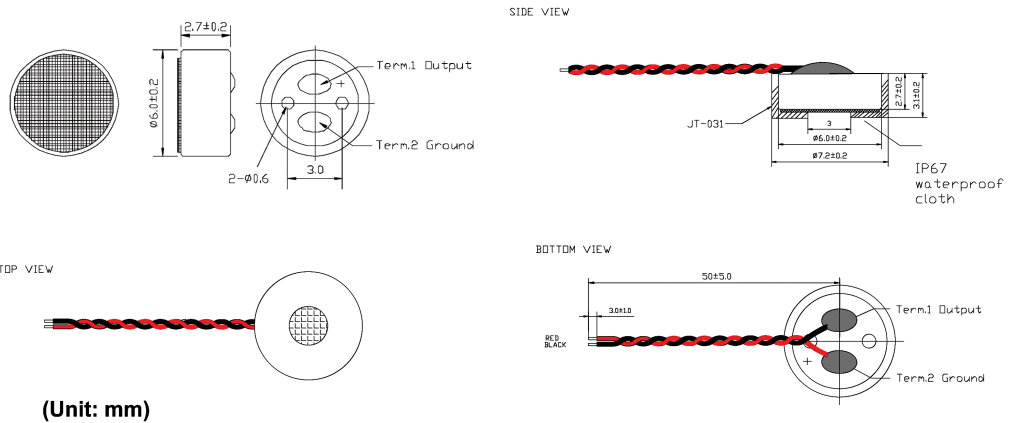
#### MATERIAL

Housing	Al-Mg Alloy
Wire	UL 3302, 32 AWG

#### TEMPERATURE RANGES

Operating	-40 to +85 °C
Storage	-40 to +85 °C

Weight 0.2 g



Revision	Description	By	Date
1-2019	Updated mechanical drawing with IP67-Rated Waterproof Cloth.	JL	2019-04-03
2-2019	Migrate to new format.	CF	2019-06-24

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.