High-Definition ECM Microphones

PUI Audio is excited to expand HD Series microphones in the size range from 4mm to 12mm that uses premium-grade MOSFETs and diaphragms for high sensitivity and superior signal-to-noise ratio. Each microphone features GSM buzz-blocking capacitors. Upgrade the ECM microphone that you use today with a PUI Audio HD Series microphone.

The HD3 microphones incorporate a three-pin design (drain, source, and ground) to reduce self-noise. With wider temperature range, lower noise level, better frequency response and phase control, these new microphones can be used in various high-end applications such as earphone, automotive, voice array as well as extreme fidelity and focused recording of acoustic sources on and off-axis from the microphone. The higher Acoustic Overload Points and tighter tolerances allows these microphones to withstand super-high SPL environments.

Manufacturer Part Number	Description	
AOM-5024P-HD-MB-R	MICROPHONE Omni-Direction -24DB 3VDC Features: • 12 mm diameter, 7 mm height • -24 dB sensitivity • 80 dB signal-to-noise ratio • Omni-directional pickup pattern	
AOM-5035L-HD3-LW100-R	MICROPHONE Omni-Direction -35DB 5VDC Features: • Convenient 100mm lead wires for quick electrical connection • -35 dB sensitivity • 75 dB signal-to-noise ratio • Omni-directional pickup pattern • Exceptional 135 dB acoustic overload point	
AOM-5035L-HD3-R	MICROPHONE Omni-Direction -35DB 5VDC Features: • -35 dB sensitivity • 75 dB signal-to-noise ratio • Omni-directional pickup pattern • Exceptional 135 dB acoustic overload point	

AUM-4537L-HD-R

MICROPHONE Uni-Direction -37DB 1.5VDC
Features:
- 10mm diameter
- 4.5mm height
- -37 dB sensitivity
- 69 dB signal-to-noise ratio
- Cardioid pickup pattern



DUM-4537L-HD-R

MICROPHONE Uni-Direction -37DB 2VDC
Features:
- 8mm diameter
- 4.5mm height
- -37 dB sensitivity
- 68 dB signal-to-noise ratio
- Cardioid pickup pattern



POM-2739L-HD3-LW100-R

MICROPHONE Omni-Direction -39DB 3VDC
Features:
- Convenient 100mm lead wires for quick electrical connection
- -39 dB sensitivity
- 73 dB signal-to-noise ratio
- Omni-directional pickup pattern
- Exceptional 130 dB acoustic overload point



POM-2739L-HD3-R

MICROPHONE Omni-Direction -39DB 3VDC
Features:
- 6mm diameter
- 2.7mm height
- Omni-directional pickup pattern
- Exceptional 130 dB acoustic overload point



PUM-2745L-HD-R

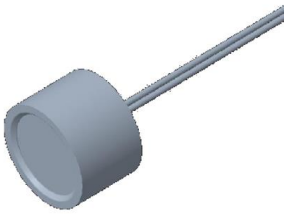
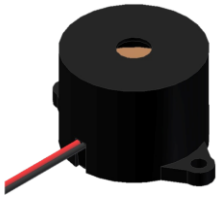
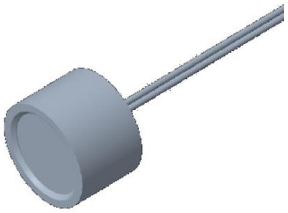
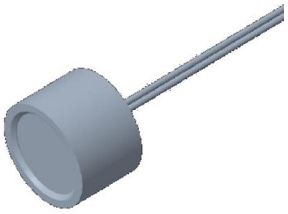
MICROPHONE Uni-Direction -45DB 2VDC
Features:
- 6mm diameter
- 2.7mm height
- -45 dB sensitivity
- 71 dB signal-to-noise ratio
- Cardioid pickup pattern



*All Models can be available with lead wire, solder pads or pin upon request.

Waterproof Indicators & Transducers

PUI Audio has a range of waterproof indicators and transducers. We have added more part numbers to meet different performance levels. IP67 provides complete protection against water and liquids, up to and including immersion in up to one meter of water to withstands harsh, demanding environments.

Manufacturer Part Number	Description	
AI-1450-T-WP-LW80-R	INDICATOR 12VDC 80DB Features • IP67 Rated Piezo Indicator • Lead wires for easy installation • 5,000 Hz Resonant Frequency	
AI-2628-TF-LW100-WP-R	INDICATOR 12VDC 85DB Features • IP67 Rated Piezo Indicator • Lead wires for easy installation • 2,800 Hz Resonant Frequency	
AI-2630-T-WP-LW250-R	INDICATOR 12VDC 80DB Features • IP67 Rated Piezo Indicator • Lead wires for easy installation • 3,000 Hz Resonant Frequency	
AT-1442-T-WP-LW80-R	TRANSDUCER 10Vpp 84DB Features • IP67 Rated Piezo Indicator • Lead wires for easy installation • 4,250 Hz Resonant Frequency	

Available in many sizes and mounting options. Custom orders available upon request.