

ECM-678

Shotgun Electret condenser microphone



Overview

For superior sound quality, choose the ECM-678. It delivers superior sensitivity of -28 dB (0dB=1V/Pa) and extremely low inherent noise of less than 16 dB SPL. This microphone balances the need for a compact size with its ability to deliver excellent performance. The result is a highly directional microphone that is only 250 mm in length.

Specifications

Audio Section

Capsule Type	Mono Electret Condenser
Frequency Response	40 Hz to 20 kHz
Directivity	Uni-directional (super-cardioid)
Sensitivity *[1]	-28 dB +/- 3 dB
Output Impedance * [2]	200Ω ± 20%, Balanced
Dynamic Range	111 dB or more

Signal-to-Noise Ratio 78 dB or more
*[3]

Inherent Noise *[4] 16 dB SPL or less

Induction Noise From
External Magnetic 0 dB SPL or less
Field *[5]

Wind Noise *[6] 60 dB SPL or less (without screen)

Maximum Input
Sound Pressure Level 127 dB SPL
*[7]

General Section

Connector XLR-3-12C (male)

Mic Cable XLR-3 to XLR-3
480 mm
18.9 inches

Power Requirements External, DC 48 V +/-4 V

Dimensions *[8] $\phi 20 \times 250$ mm
 $\phi 13/16 \times 9 \ 7/8$ inches

Mass Approx. 7 oz
Approx. 200 g

Windscreen (1)

Supplied Accessories

- Stand adaptor (2)
 - Short LR cable (for camcorder use) (1)
 - Operating instructions (1)
 - Mic spacer (2)
 - Mic holder (1)
 - Carrying case (1)
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Notes

Note

- *[1] 0 dB = 1 V/Pa, at 1 kHz
 - *[2] Output impedance at 1 kHz
 - *[3] A-weighted, 1 kHz, 1 Pa.
 - *[4] 0 dB SPL = 20 μ Pa.
 - *[5] dB SPL/1E-7 T, 0 dB SPL = 20 μ Pa.
 - *[6] Wind noise at 2m/s (0 dB SPL = 20 μ Pa.)
 - *[7] 0 dB SPL = 20 μ Pa.
 - *[8] The values for dimensions are approximate.
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