

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 *[3] | 78 dB or more |
| Inherent Noise *[4] | 16 dB SPL or less |
| Induction Noise From External Magnetic Field *[5] | 0 dB SPL or less |
| Wind Noise *[6] | 60 dB SPL or less (without screen) |
| Maximum Input Sound Pressure Level *[7] | 127 dB SPL |

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] | ϕ 20 x 250 mm ϕ 13/16 x 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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