

## 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]	$\phi 20 \times 250$ 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  $\mu$ Pa.  
\*[5] dB SPL/1E-7 T, 0 dB SPL = 20  $\mu$ Pa.  
\*[6] Wind noise at 2m/s (0 dB SPL = 20  $\mu$ Pa.)  
\*[7] 0 dB SPL = 20  $\mu$ Pa.  
\*[8] The values for dimensions are approximate.

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