

## ECM-678

Shotgun Electret condenser microphone



### Overview

For superior sound quality, choose the ECM-678. It delivers superior sensitivity of  $-28$  dB ( $0$  dB =  $1$  V/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  $9.84$  inches 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 $\pm 3$ dB
Output Impedance * [2]	$200\Omega \pm 20\%$ , 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  $\mu$ Pa.
  - \*[5] dB SPL/1E-7 T, 0 dB SPL = 20  $\mu$ Pa.
  - \*[6] Wind noise at 6.56 ft/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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## Gallery

