

ECM-77BPT

Discrete omni-directional lavalier Electret condenser microphone



Overview

The ECM-77 is probably the most often seen lavalier microphone on TV and it is used widely in both studio production and on location. Its popularity is based on a combination of excellent sound quality, robust construction and an attractive cosmetic design. This microphone is the ECM-77BPT which is supplied with pre solder bare wire ends

Hands Free

As a lavalier microphone, the ECM-77 is an alternative to the traditional hand held microphone and being 'hands free' it allows the presenter to concentrate on her/his performance.

Professional Image

The ECM-77 is probably the most seen microphone on TV and its compact design creates a professional image.

Easy and Familiar Operation

The ECM-77 is an essential tool for achieving good quality voice recording. The microphone's capsule is designed for voice pick-up with an extended frequency response and impressive sensitivity. The popularity of the microphone in TV production means that most sound people will be familiar with using the ECM-77.

Features

Designed for high quality voice pick-up

The ECM-77's capsule features a voice emphasis curve, extended frequency response and sensitivity.

Minute size

The capsule has a diameter of only 5.6mm and is 12.5mm long.

Ready for other systems

The ECM-77BPT version is supplied with pre-solder wire ends, allowing a convenient solution for interfacing the microphone with other types of connectors.

Specifications

| Audio Section | |
|--------------------|--------------------|
| Capsule Type | Electret Condenser |
| Frequency Response | 40 Hz to 20 kHz |
| Directivity | Omni-directional |

| | |
|---|-------------------------------------|
| Sensitivity *[1] | -39.0 dB (11.2 mV) |
| Output Impedance *[2] | 2.5kΩ±30%, Unbalanced |
| Dynamic Range | 90 dB or more |
| Signal-to-Noise Ratio *[3] | 64 dB or more |
| Inherent Noise *[4] | 30 dB SPL or less |
| Induction Noise From External Magnetic Field *[5] | 5 dB SPL or less |
| Wind Noise *[6] | 40 dB SPL or less (with windscreen) |
| Maximum Input Sound Pressure Level *[7] | 120 dB SPL |

General Section

| | |
|----------------------|---|
| Connector | No connector (Pigtail) |
| Mic Cable | 9.8 feet 3 m |
| Power Requirements | DC 1.1 V to 10.0 V |
| Power Consumption | 0.4 mA or less |
| Dimensions *[8] | φ 5.6 X 12.5 mm (Mic head) φ 1/4 X 1/2 inches (Mic head) |
| Mass | Approx. 22.7 g Approx. 0.8 oz |
| Supplied Accessories | Single/horizontal type tie clip (1) Metal-mesh type windscreen (1) |
| Optional Accessories | Wind screen pack Vertical clip pack Safety pin type clip pack Horizontal double-clip pack Horiozntal single-clip pack ECM-77 accessory kit Colored wind screen kit Black windscreen for ECM-77 |

Notes

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

Gallery

