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. 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 pickup 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]	2.5k $\Omega\pm$ 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	

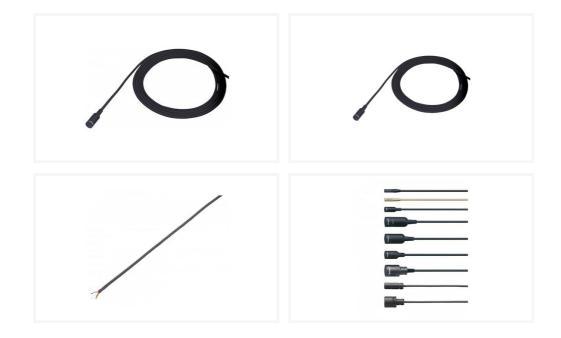
External Magnetic Field *[5]	5 dB SPL or less
Wind Noise *[6]	40 dB SPL or less (with windscreen)
Maximum Input Sound Pressure Level *[7]	120 dB SPL

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)
	Wind screen pack Vertical clip pack Safety pin type clip pack

Optional Accessories	Horizontal double-clip pack
	Horiozntal single-clip pack
	ECM-77 accessory kit
	Colored wind screen kit
	Black windscreen for ECM-77

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 6.56 ft/s (0 dB SPL = 20 μ Pa) *[7] 0 dB SPL = 20 μ Pa *[8] The values for dimensions are approximate.

Gallery



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