Product Specifications

Beta® 87C Cardioid Condenser Vocal Microphone

Overview

The Shure Beta 87C vocal microphone is precision-engineered to deliver an extremely smooth, extended high-end frequency response in a cardioid condenser design. The warm, natural sound creates an ideal environment for personal monitoring, with excellent rear rejection.

Features

- Premier live performance microphone with Shure quality, ruggedness, and reliability
- Uniform cardioid pick-up pattern for maximum gain before feedback and excellent rejection of off-axis sound
- Smooth, wide frequency response with slight presence rise and controlled proximity effect tailored for vocals
 Advanced cartridge shock mount system absorbs mechanical shock and minimizes handling noise
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 Very low susceptibility to RF and electromagnetic hum
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 Dent-resistant steel mesh grille and enamel coated metal alloy construction resist wear and abuse
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 Effective built-in pop filter reduces undesirable wind and breath noise

Available Models

BETA 87C

Cardioid Condenser Vocal Microphone

Specifications

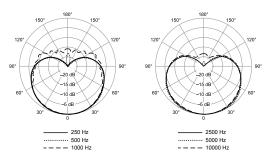
Beta 87C

Cartridge Type	Electret Condenser	
Frequency Response	50 to 16,000 Hz	
Polar Pattern	Cardioid	
Output Impedance	100 Ω	
Sensitivity (at 1kHz, open circuit voltage)	–51 dBV/Pa (2 mV) 1 Pascal=94 dB SPL	
Maximum SPL (1 kHz at 1% THD, 1kΩ load)	139 dB	
Signal-to-Noise Ratio (referenced at 94 dB SPL at 1 kHz)	70,5 dB S/N ratio is difference between 94 dB SPL and equivalent SPL of self noise, A-weighted	
Dynamic Range (at 1 kHz, 1 kΩ load)	117 dB	
Clipping Level (1 kHz at 0.25% THD, 1kΩ load)	–6 dBV (0.5 V)	
Self Noise (typical, equivalent SPL, A-weighted)	22 dB typical	
Hum Pickup (typical, at 60 Hz, equivalent SPL/mOe)	-5 dB	
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3	
Weight	Net: 0.207 kg (0.475 lbs)	
Connector	Three-pin professional audio (XLR), male	
Power Requirements	11 to 52 Vdc phantom (1.2 mA)	

Accessories and Replacement Parts

RK312	Replacement grille	A25D	Microphone clip
A85WS	Microphone windscreen		

Polar Pattern



Frequency Response

