

Product Specifications

KSM137 End-Address Cardioid Condenser Microphone

Overview

The KSM137 is a premium end-address cardioid condenser microphone engineered for highly critical studio recording and live sound productions. Its class A, discrete, transformerless preamplifier provides extremely natural response and transparent sound capture, and a three position switchable pad allows for handling of extremely high sound pressure levels. Versatile, durable, and precise, the KSM137 is an outstanding microphone for both live and studio applications.

Features

- A highly consistent cardioid polar pattern.
- Ultra-thin, 2.5 µm 24 karat gold-layered, low mass Mylar® diaphragm for superior transient response.
- Class A, discrete, transformerless preamplifier for transparency, extremely fast transient response, no crossover distortion, and minimal harmonic and intermodulation distortion.
- Premium electronic components, including gold-plated internal and external connectors.
- Subsonic filter eliminates low frequency rumble (less than 17 Hz) caused by mechanical vibration.
- Three-position switchable pad (0 dB, 15 dB, and 25 dB) for handling extremely high sound pressure levels (SPLs).
- Three-position switchable low-frequency filter reduces background noise and counteracts proximity effect.

Available Models

KSM137/SL	Includes Stand Adapter, Windscreen and Carrying Case
KSM137/SL STEREO	Includes two KSM137, two Stand Adapters, two Windscreens, A27M Stereo Microphone Adapter and Carrying Case

Specifications

Cartridge Type	Electret Condenser
Frequency Response	20 to 20,000 Hz
Output Impedance	150 ohms
Sensitivity (at 1 kHz, open circuit voltage)	-37 dBV/Pa 1 Pascal=94 dB SPL
Power Requirements	48 Vdc phantom. 4.7 mA
Common Mode Rejection	>50 dB, 10 Hz to 100 kHz
Polarity	Positive pressure on front diaphragm produces positive voltage on output pin 2 relative to pin 3
Polar Pattern	Cardioid
Sensitivity (at 1 kHz, open circuit voltage)	-37 dBV/Pa 1 Pascal=94 dB SPL
Self-noise (typical, equivalent SPL; A-weighted)	14 dB
Maximum SPL (1 kHz at 1% THD)THD of microphone preamplifier when applied input signal is equivalent to cartridge output at speci- fied SPL	1000 ohms load: 134 dB (159 dB, -25 Pad) 2500 ohms load: 139 dB (164 dB, -25 Pad) 5000 ohms load: 145 dB (170 dB, -25 Pad)
Clipping Level (20Hz-20 kHz at 1% THD)	1000 ohms load: 3 dBV 2500 ohms load: 9 dBV 5000 ohms load: 15 dBV
Dynamic Range (at 1 kHz)	1000 ohms load: 120 dB 2500 ohms load: 125 dB 5000 ohms load: 131 dB
Signal to Noise ratio (referenced at 94 dB SPL at 1 kHz)	14 dB
Weight	Net: 100 g (3.5 oz.)

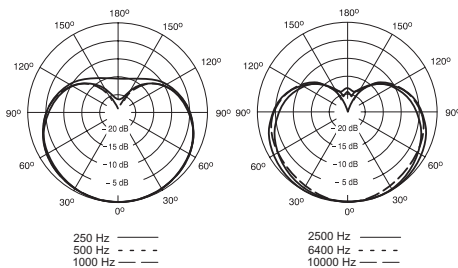
Furnished Accessories

A100C	Case	A100WS	Windscreen
A27M	Stereo Microphone Adapter	A57F	Stand Adapter

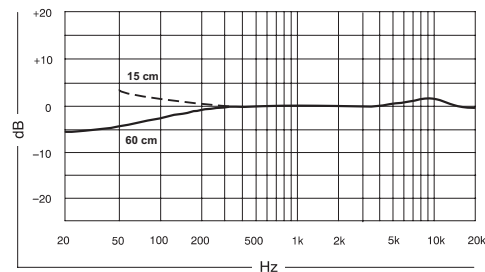


KSM137

Polar Pattern



Frequency Response



SHURE[®]
LEGENDARY
PERFORMANCE™