

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

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| Cartridge Type | Electret Condenser |
| Frequency Response | 20 to 20,000 Hz |
| Output Impedance | 150 ohms |
| Sensitivity (at 1kHz, 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 |
| 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) | 80 dB |
| Weight | Net: 100 g (3.5 oz.) |

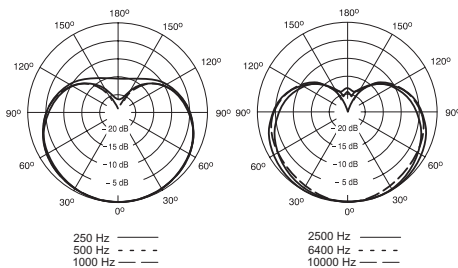
Furnished Accessories

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|--------------|---------------------------|---------------|---------------|
| A100C | Case | A100WS | Windscreen |
| A27M | Stereo Microphone Adapter | A57F | Stand Adapter |

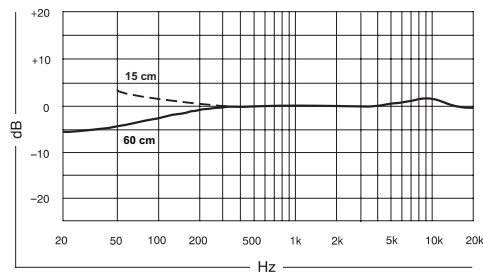


KSM137

Polar Pattern



Frequency Response



SHURE[®]
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