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

<table>
<thead>
<tr>
<th>Cartridge Type</th>
<th>Electret Condenser</th>
</tr>
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<tbody>
<tr>
<td>Frequency Response</td>
<td>20 to 20,000 Hz</td>
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<tr>
<td>Output Impedance</td>
<td>150 ohms</td>
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<tr>
<td>Sensitivity</td>
<td>−37 dBV/Pa</td>
</tr>
<tr>
<td>(at 1 kHz, open circuit voltage)</td>
<td>1 Pascal=94 dB SPL</td>
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<tr>
<td>Power Requirements</td>
<td>48 Vdc phantom, 4.7 mA</td>
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<tr>
<td>Common Mode Rejection</td>
<td>&gt;50 dB, 10 Hz to 100 kHz</td>
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<tr>
<td>Polarity</td>
<td>Positive pressure on front diaphragm produces positive voltage on output pin 2 relative to pin 3</td>
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</table>

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 specified 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: 127 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

<table>
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<tr>
<th>A100C</th>
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<th>A100WS</th>
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<tr>
<td>A27M</td>
<td>Stereo Microphone Adapter</td>
<td>A57F</td>
<td>Stand Adapter</td>
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</table>

Polar Pattern

Frequency Response