

# 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  $\mu$ m 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

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

### Specifications

Cartridge Type	Electret Condenser	
Polar Pattern	Cardioid	
Frequency Response	20 to 20,000 Hz	
Sensitivity	-37 dBV/Pa (14.1 mV)	
Open circuit voltage, @ 1 kHz, typical	1 Pa = 94 dB SPL	
Maximum SPL (1 kHz @ 1% THD)	No Pad	-25 dB Pad
	145 dB	170 dB
	139 dB	164 dB
	134 dB	159 dB
Signal-to-noise ratio <i>A-weighted</i>	80 dB	
Dynamic Range (@ 1 kHz)	5000 ohms load:	131 dB
	2500 ohms load:	125 dB
	1000 ohms load:	120 dB
Clipping Level (20 Hz - 20 kHz, 1% THD)	5000 ohms load:	15 dBV
	2500 ohms load:	9 dBV
	1000 ohms load:	3 dBV
Self Noise <i>equivalent SPL, A-weighted, typical</i>	14 dB	
Common Mode Rejection (10 to 100,000 Hz)	$\geq$ 50 dB	
Switch	Attenuator: 0, -15, -25 dB Low Frequency Filter: flat; -6 dB/octave below 115 Hz; -18 dB/octave below 80 Hz	
Connector	Three-pin Professional Audio (XLR), male, balanced	
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3	
Power Requirements	11-52 VDC phantom power (IEC-61938) 4.7 mA, maximum	
Net Weight	100 g (3.5 oz.)	

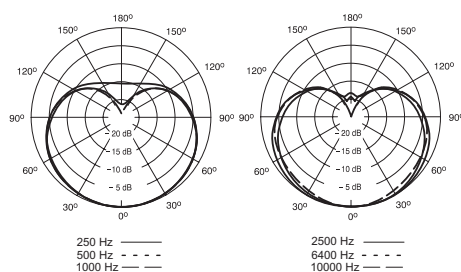


KSM137

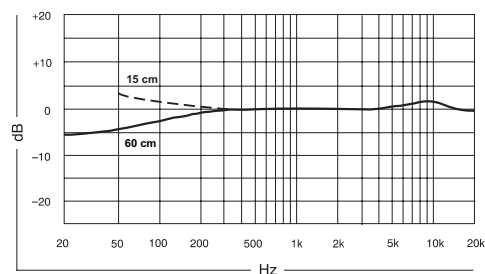
### Furnished Accessories

<b>A100C</b>	Case	<b>A100WS</b>	Windscreen
<b>A27M</b>	Stereo Microphone Adapter	<b>A57F</b>	Stand Adapter

### Polar Pattern



### Frequency Response



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