

# Product Specifications

## KSM141 Dual-pattern End-Address Condenser Microphone

### Overview

The Shure KSM141 is a small diaphragm end-addressed condenser microphone with a rotating collar allowing easy switching between a highly consistent cardioid or true omnidirectional polar pattern for smooth and extremely focused sound reproduction. Designed for studio use, yet rugged enough for live applications, the KSM141 can withstand extremely high sound pressure levels (SPL). Its low self-noise and extended frequency response make it ideal for recording musical instruments. Versatile, durable, and precise, the KSM141 is an outstanding microphone for both live and studio applications.

### Features

- A mechanical polar pattern switch for highly consistent cardioid and true omnidirectional polar patterns. Provides flexibility in a wide variety of recording applications.
- 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

|                         |  |
|-------------------------|--|
| <b>KSM141/SL</b>        | Includes Stand Adapter, Windscreen, and Carrying Case  |
| <b>KSM141/SL STEREO</b> | Includes two KSM141, 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 (actual)  |
| Power Requirements  | 48 Vdc phantom, 4.7 mA   |
| Common Mode Rejection                                     | >50 dB, 50 Hz to 20 kHz  |
| Polarity  | Positive pressure on front diaphragm produces positive voltage on output pin 2 relative to pin 3                 |
| Polar Patterns  | Cardioid, Omnidirectional  |
| Sensitivity (typical, at 1000 Hz; 1 Pa = 94 dB SPL)       | -37 dBV/Pa   |
| Self-noise (typical, equivalent SPL; A-weighted, IEC 651) | 14 dB  |
| Maximum SPL @ 1000 Hz                                     |  |
| 5000 ohms load  | 134 dB (159 dB, -25 Pad)   |
| 2500 ohms load  | 139 dB (164 dB, -25 Pad)   |
| 1000 ohms load  | 134 dB (159 dB, -25 Pad)   |
| Output Clipping Level                                     |  |
| 5000 ohms load  | 15 dBV   |
| 2500 ohms load  | 9 dBV  |
| 1000 ohms load  | 3 dBV  |
| Dynamic Range   |  |
| 5000 ohms load  | 131 dB   |
| 2500 ohms load  | 125 dB   |
| 1000 ohms load  | 120 dB   |
| Signal to Noise ratio                                     | 80 dB  |
| Weight  | Net: 156 g (5.5 oz.)   |
| Switch  | Attenuator: 0, -15, -25 dB<br>Low Frequency Response: flat; -6 dB/octave below 115 Hz; -18 dB/octave below 80 Hz |

### Furnished Accessories

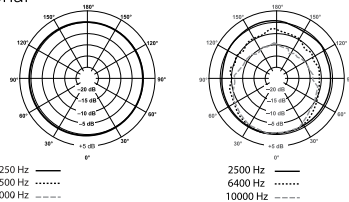
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|--------------|---------------------------|---------------|---------------|
| <b>A100G</b> | Case                      | <b>A100WS</b> | Windscreen    |
| <b>A27M</b>  | Stereo Microphone Adapter | <b>A57F</b>   | Stand Adapter |



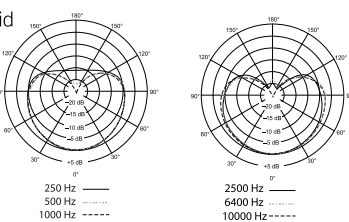
KSM141

#### Polar Pattern

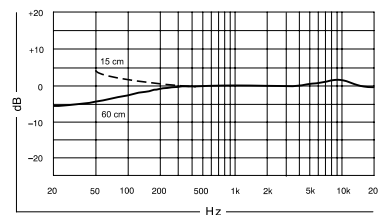
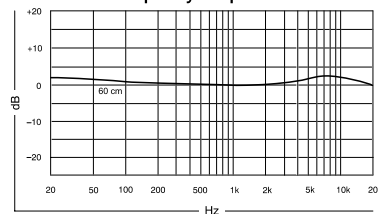
Omnidirectional



Cardioid



#### Frequency Response



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