

# Product Specifications

## KSM9 Multi-Pattern Dual Diaphragm Handheld Condenser Vocal Microphone

### Overview

The first-ever handheld condenser with dual diaphragms and switchable polar patterns. A premium vocal microphone, the KSM9 captures vocal subtlety with extraordinary detail to deliver clear articulation, functional flexibility and precise vocal reproduction for live performance. Transformerless Class A preamplifier circuitry provides transparent sound capture, dual gold-layered diaphragms reveal every nuance and subtlety in a vocal performance, and an advanced suspension shock mount virtually eliminates handling noise even in the most demanding live environments.

### Features

- Dual 3/4" gold layered, low mass Mylar® diaphragms provide superior frequency response.
- Dual polar patterns (cardioid and supercardioid) for maximum flexibility in a wide variety of performance applications.
- Class A, discrete, transformerless preamplifier provides transparent, extremely fast transient response with no crossover distortion and minimal harmonic and intermodulation distortion.
- Advanced suspension shock mount system that isolates cartridge from handling and stand noise.
- Premium electronic components, including gold-plated internal and external connectors.
- Three-stage grille reduces "pop" and breath noise.

### Available Models

<b>KSM9/SL</b>	Includes Stand Adapter and Aluminium Carrying Case (Cristal Finish)
<b>KSM9/CG</b>	Includes Stand Adapter and Aluminium Carrying Case (Charcoal Gray Finish)

### Specifications

Cartridge Type	Condenser (Electret Biased)
Frequency Response	50 to 20,000 Hz
Output Impedance	150 ohms (actual)
Phantom Power	48 Vdc ± 4 Vdc (IEC-268-15/DIN 45 596), positive pins 2 and 3
Current Drain	5.2 mA typical at 48 Vdc
Common Mode Rejection	>60 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, Supercardioid
Sensitivity (typical; at 1000 Hz; 1 Pa = 94 dB SPL)	-51 dBV/Pa
Self-noise (typical, equivalent SPL; A-weighted, IEC 651)	22 dB
Maximum SPL @ 1000 Hz	
2500 ohms load	152 dB
1000 ohms load	152 dB
Output Clipping Level*	
2500 ohms load	6.7 dBV
1000 ohms load	6.0 dBV
Dynamic Range	48 Vdc phantom, 5.6 mA
2500 ohms load	130 dB
1000 ohms load	130 dB
Signal to Noise ratio	72 dB
Dimensions and Weight	49 mm (1 15/16 in.) maximum body diameter, 191 mm (7.5 in.) long; 300 grams (10.6 oz).

### Furnished Accessories

<b>A9SC</b>	Aluminium Carrying Case
<b>A25E</b>	Stand Adapter

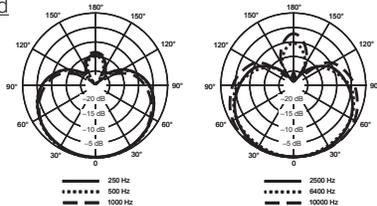


**KSM9**

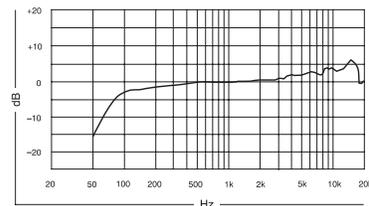
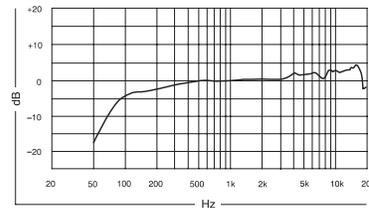
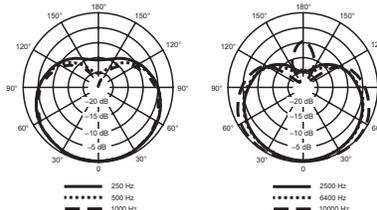
### Polar Patterns

### Frequency Responses

#### Supercardioid



#### Cardioid



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LEGENDARY  
PERFORMANCE™