Product Specifications

KSM9HS Multi-Pattern Dual Diaphragm Handheld Condenser Vocal Microphone

Overview

A premium vocal microphone with switchable hypercardioid and subcardioid polar patterns, the KSM9HS extends the ability captures vocal subtlety with extraordinary detail to deliver clear articulation, functional flexibility and precise vocal reproduction for a wide range of live performance applications. Class A transformerless preamplifier circuitry provides transparent sound capture, dual gold-layered diaphragms reveal every nuance and subtlety and an advanced suspension shock mount virtually eliminates handling noise.

KSM9HS

Features

- Dual 3/4" gold layered, low mass Mylar® diaphragms provide superior frequency response.
- Dual polar patterns (Hypercardioid and subcardioid) for even greater flexibility in demanding 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.
- Also available as Axient®, ULX-D™ and UHF-R® wireless handheld transmitter SKUs

Available Models

KSM9HS	Includes Stand Adapter and Aluminium Carrying Case (Black Finish)

Specifications

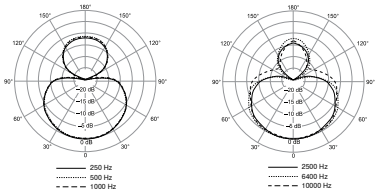
Cartridge Type		Condenser (Electret Biased)
Frequency Response		50 to 20,000 Hz
Output Impedance		145 ohms (actual)
Phantom Power		48 Vdc ± 4 Vdc (IEC-268-15/DIN 45 596), positive pins 2 and 3
Current Drain		5.2 mA typical at 48 Vdc
Common Mode Rejection		>60 dB, 50 Hz to 20 kHz
Polarity		Positive pressure on front diaphragm produces positive voltage on output pin 2 relative to pin 3
Polar Patterns		Hypercardioid, Subcardioid
Sensitivity (typical; at 1000 Hz;1 Pa = 94 dB SPL)		Hypercardioid: -50.5 dBV/Pa / Subcardioid: -53.0 dBV/Pa
Self-noise (typical, equivalent SPL; A-weighted, IEC 651)		Hypercardioid: 20.7 dB / Subcardioid: 22.7 dB
Maximum SPL @ 1000 Hz	2500 ohms load 1000 ohms load	Hypercardioid: 150.8 dB / Subcardioid: 153.0 dB Hypercardioid: 150.9 dB / Subcardioid: 153.1 dB
Output Clipping Level*	2500 ohms load 1000 ohms load	7.0 dBV 6.4 dBV
Dynamic Range (@ 1 kHz)	2500 ohms load 1000 ohms load	Hypercardioid: 130.8 dB / Subcardioid: 130.1 dB Hypercardioid: 130.1 dB / Subcardioid: 130.6 dB
Signal to Noise ratio		Hypercardioid: 73.3 dB / Subcardioid: 71.3 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

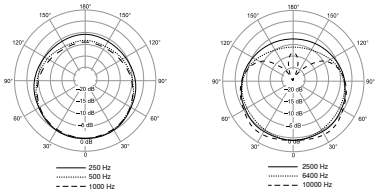
A9SC	Aluminium Carrying Case
A25E	Stand Adapter

Polar Patterns

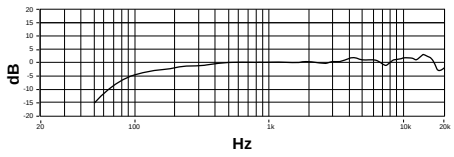
Hypercardioid

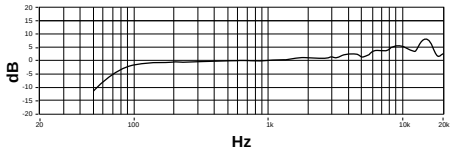


Subcardioid



Frequency Responses





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