

Product Specifications

KSM32 Side-address Cardioid Condenser Microphone

Overview

The KSM32 is a premium side-address cardioid condenser microphone for highly critical studio recording and live sound productions. With an extremely flat, extended frequency response, the KSM32 provides transparent reproduction of the original sound source. A 15 dB attenuation switch allows the KSM32 to handle the high sound pressure levels associated with drums, percussion, and ensembles.

Features

- Class A, transformerless preamplifier circuitry eliminates cross-over distortion for improved linearity across the full frequency range
- Embossed, high-compliance diaphragm provides extended low frequency response
- Ultra-thin, 2.5 μm , gold-layered, low mass, Mylar[®] diaphragm for excellent transient response
- 15 dB attenuation switch for handling extremely high sound pressure levels (SPL)
- Switchable low-frequency filter provides greater flexibility to reduce background noise or to counteract proximity effect
- Integrated three-stage pop protection grille reduces "pop" and other breath noise
- Internal shock mount reduces transmission of handling noise

Available Models

KSM32/SL	Includes ShureLock [®] Shock Mount, ShureLock [®] Stand Mount and Aluminium Carrying Case (Champagne Finish)
KSM32/CG	Includes ShureLock [®] Stand Mount and Padded Zipper Bag (Charcoal Gray Finish)

Specifications

Cartridge Type	Permanently-biased Condenser
Frequency Response	20 to 20,000 Hz
Directional Polar Pattern	Cardioid
Output Impedance	150 ohms (actual)
Attenuation Switch	0 or -15 dB attenuation
Low Frequency reponse switch	flat; -6 db/octave below 115 Hz; -18 dB/octave below 80 Hz
Phantom Power	48 Vdc \pm 4 Vdc positive pins 2 and 3
Current Drain	4.65 mA typical at 48 Vdc
Common Mode Rejection	> 50 dB, 20 Hz to 20 kHz
Polarity	Positive pressure on diaphragm produces positive voltage on output pin 2 relative to pin 3
Dimensions and Weight	55.9 mm (2.20 in.) maximum body diameter, 187 mm (7.37 in.) long (see Figure 6) 490 grams (17.3 oz.)
Sensitivity (typical, at 1000hz; 1 Pa = 94 dB SPL)	-36 dBV/Pa (16 mV)
Self-noise (typical, equivalent SPL; A-weighted, IEC 651)	13 dB
Maximum SPL at 1000hz 2500 ohms load (attenuator on) 1500 ohms load (attenuator on)	139 (154) dB 133 (148) dB
Output Clipping Level 2500 ohms load 1000 ohms load	+9 dBV +3 dBV
Dynamic Range 2500 ohms load 1000 ohms load	126 dB 119 dB
Signal to Noise ratio	81 dB
Total Harmonic Distortion (THD), 2500 ohms load	<0.08% for a 120 dB equivalent SPL input.

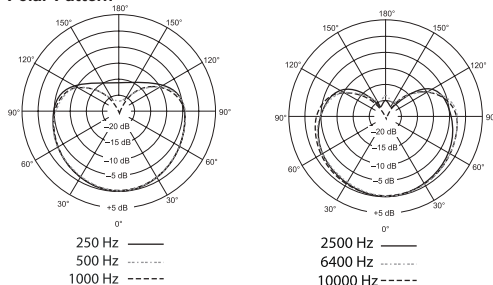


KSM32

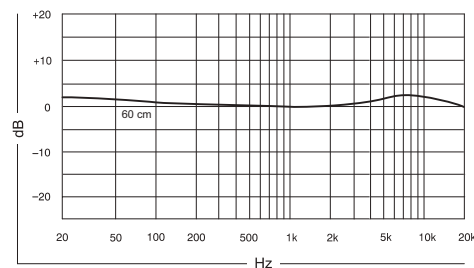
Furnished Accessories

A32SM	ShureLock [®] Rubber Isolated Shock Mount (SL only)	A32M	ShureLock [®] Stand Mount	AK32C	Zippered Carrying Case (SL only)
A32VB	Protective Velveteen Pouch (SL only)	A32ZB	Padded Zippered Bag (CG only)		

Polar Pattern



Frequency Response



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