

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) |



KSM32

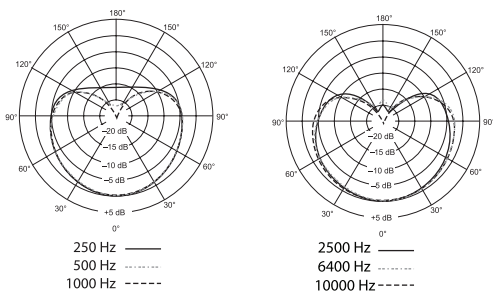
Specifications

| | |
|---|--|
| 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 ±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. |

Furnished Accessories

| | | | | | |
|--------------|--|--------------|-------------------------------|--------------|-----------------------------------|
| A32SM | ShureLock® Rubber Isolated Shock Mount (SL only) | A32M | ShureLock® Stand Mount | A32SC | Aluminium Carrying Case (SL only) |
| A32VB | Protective Velveteen Pouch (SL only) | A32ZB | Padded Zippered Bag (CG only) | | |

Polar Patterns



Frequency Responses

