

AKG 460

Ultra Linear Series Condenser Microphones (ULS) C 460 B comb-ULS/61



These microphones consider new and future oriented technologies. The microphones meet the highest technical standards and will withstand rough handling in studio applications. Special attention has been paid with these microphones to the complete linear transfer characteristics of all transmission parameters. The low inherent self-noise and the high overload point guarantee a dynamic range of these microphones in the order of 120 dB, which is substantially more than figures found in conventional microphones and other associated equipment. The outstanding technical performance is also achieved with all practical loading conditions of different input circuits of associated equipment including the often necessary long cable runs.

Technical Data:

- Transducer type: pressure gradient receiver
- Frequency range: 20 to 20,000 Hz ± 1 dB from published curve
- Sensitivity at 1,000 Hz: 9 mV/Pa → 0.8 mV/μPa → 62 dB ref. 1 μPa
- Polar pattern: cardioid
- Response of bass-cut filter: 12 dB/octave at all settings
- Pre-amplification: Switchable to 10 dB
- Nominal output impedance: ≤ 120 ohms, transformer balanced
- Recommended load impedance: ≥ 500 ohms
- Equivalent noise level: acc. to DIN 45405 (CIR 468-2): 25 dB acc. to DIN 45112 (A-weighted): 14 dB-A
- SN ratio ref. 1 Pa (A-weighted): 30 dB
- Hum sensitivity: 9 μV/μT at 50 Hz
- Max. sound pressure for 0.5% THD: 100 Pa = 134 dB SPL on 1,000 ohms (from 30 Hz to 20,000 Hz)
- Total dynamic range: 120 dB (A-weighted)
- Operating temperature range: -20° C to +60° C
- Permissible humidity level: 99% at +20° C; 95% at +60° C
- Power requirement: 9 to 52 volts phantom powering (acc. to DIN 45506)
- Current consumption: ≤ 1 mA
- Dimensions: 210 x 173 mm length (8.26 x 6.8 inch)
- Finish: non-reflective black chromium plated
- Connector: 3 pin XLR-type mating
- Net weight: 140 g (4.9 oz)
- Shipping weight: 500 g (1.1 lb)
- Capsule contact: self-cleaning, gold plated
- Thread dimension on capsule: M 19 x 0.75 mm

Product Features:

- Ultra low noise figure (14 dB-A ENL)
- Extremely low distortion (from 30 Hz to 20,000 Hz)
- Low power consumption (less than 1 mA)
- ~ 15 mm active diaphragm diameter for a good balance between low self noise and the acoustic properties
- Smooth roll-off at both ends of the audio range for good phase response
- Carefully designed output stage for driving any load right down to almost "zero impedance" or long cable runs without detectable deterioration of the output signal
- Constant output impedance over the entire audio range
- To be powered from any standard phantom powering source (acc. to DIN 45506)

Included Accessories:

- SA 40 "Quick release" stand adapter
- W 32 foam-type windscreen
- Original frequency response curve containing serial number and production date code.

Frequency curve: 

Polar response: 

Directivity factor: 

Type: Condenser

Roll off: 70 Hz, 150 Hz - 12dB per octave

Polar Patterns: Cardioid, Omni, Hyper-cardioid

Phantom Power: Yes

Max SPL: 134 dB

Applications: Acoustic Guitar, Snare

Frequency Range: 20 Hz - 20 kHz

PAD: 10 dB