



## C-567E ELECTRET-CONDENSER LAVALIER MICROPHONE

AKG's newest miniature lavalier microphone, the C-567E is a fully professional phantom-powered unit designed for the most demanding user-worn and instrument clip-on applications in television, film and theatrical or general sound reinforcement. With its exceptionally wide frequency range and low distortion at high sound-pressure levels, the C-567E provides appreciably cleaner and more natural reproduction of both speech *and* music than competitive units — factors that have already won instant recognition from major TV networks and Broadway theater-sound engineers. At the same time, the C-567E's extremely small size and nonreflective satin-black chrome-plated finish make it one of the least obtrusive lavaliers currently available. Moreover, its all-metal field-serviceable construction contributes to the C-567E's unusually high degree of durability and ease of maintenance.

The C-567E is an integrated, non-modular unit consisting of a microphone "head" (the elastically suspended electret-condenser transducer with its FET impedance-converter preamp, encapsulated in an all-metal housing having a sintered-bronze grille); a 1.3 m (≈4 ft) flexible cable; and an all-metal output module containing an electronic dc-regulator circuit plus an audio-output transformer and standard XLR-type connector. (Should field service become necessary, the integrated transducer-preamp-cable assembly may be removed for replacement simply by opening the output module, unsoldering two leads, unscrewing the sintered-bronze grille from the head housing, and pulling the entire assembly out of the housing.) In the future, the head-and-cable assembly only (CE-67) will also be made available for wireless-microphone applications, while a complete microphone with a 7 m (≈23 ft) cable (C-567/7) will further be made available.

For improved reliability and for prevention of damage from battery leakage, the C-567E does *not* use an internal battery. Rather, it uses *external* 9-52V phantom power, which



may be derived from an associated mixer or recorder, or from any of AKG's own in-line ac or battery-operated power supplies.

The C-567E is a low-impedance balanced-output unit fitted with a standard 3-pin male XLR-type connector. For maximum versatility, the microphone is supplied complete with *four* accessories: an H-20 tie tack and an H-21 tie bar, each of which holds one C-567E head; a W-37 black wire-mesh windscreen; and an H-16 belt clip for use with the output module. A unique optional accessory, the H-22 tie bar, is capable of holding one *or* two C-567E heads — thus making dual feed or redundant backup of lavaliers convenient for the first time.

### PRELIMINARY TECHNICAL DATA

Transducer Type: Electret condenser  
 Directional Characteristic: Omnidirectional  
 Frequency Range: 20-20,000 Hz  
 Nominal Impedance: 200 ohms  
 Recommended Load Impedance: ≥500 ohms  
 Sensitivity at 1 kHz:

Open circuit: 6 mV/Pa; -44.4 dBV\*  
 Maximum power level: -43.5 dBm (re: 1 mW/10 dynes/cm<sup>2</sup>)  
 EIA G<sub>m</sub>: -136 dBm  
 Tolerance: ±3 dB

Sound Pressure Level for 1% THD:  
 1000 Hz: 132 dB

Typical Self-Noise:  
 CCITT C-wtd: 2.2 μV (equivalent SPL: 25 dB)  
 IEC 179 A-wtd: 1.4 μV (equivalent SPL: 21 dB)

Hum Sensitivity (1 mG field; 60 Hz): -151 dBm  
 Case Material: Zinc alloy (head); brass (output module)  
 Net Weight: 100 g (≈3-1/2 oz)

#### Included Accessories:

H-20 tie tack for one microphone head  
 H-21 tie bar for one microphone head  
 W-37 black wire-mesh windscreen  
 H-16 belt clip for use with output module

#### Optional Accessories:

H-22 tie bar for one *or* two microphone heads  
 B-1E battery pwr supply for one mic to balanced input  
 N-62E ac pwr supply for two mics to balanced inputs  
 N-66E ac pwr supply for six mics to balanced inputs  
 MCH-series heavy-duty microphone-cable assemblies

\*1 Pa (Pascal) = 10 μb = 10 dynes/cm<sup>2</sup> ≈ 94 dB SPL

