



HMEC 25 KA

The HMEC25-KA is a supraural closed back headset that weighs less than six ounces and has a split headband design for unsurpassed comfort and fit. Active noise cancellation (ANC) reduces noise by over 15 dB to provide over 30 dB of total noise attenuation.

The microphone boom can be turned through 350° and can thus be worn on either side of the head. The micro-phone module with noise-compensated electret capsule and integrated pre-amplifier is easily replaceable in the unlikely event of damage.

Features—Benefits

- Lightweight, closed back supra-aural headset
- Two piece adjustable headband ensures a secure fit
- Extremely comfortable ear pads
- 15 dB Active noise cancellation
- 11 dB Passive Attenuation NRR
- Noise cancelling electret microphone with rotating boom
- FAA and JAR TSO approval C572 and C58a

Technical Data

Headphone

Transducer Principle	Dynamic
Ear Coupling	Supra-aural
Frequency Response	16–22,000 Hz
Impedance	200 Ω (active) 170 Ω (passive)
Sensitivity	94 dB
Distortion	<1%
Active Attenuation	15 dB between 100 Hz and 2000 Hz
Passive Attenuation	16 dB
Operating Voltage	Not applicable
Headphone Pressure	Approx. 2.5 N
Weight (w/o cable)	Approx. 6 oz.

Microphone (with Preampfier)

Transducer Principle	Electret, Noise Cancelling
Frequency Response	300–5,000 Hz
Sensitivity	400mV \pm 3 dB (incl. preamplifier)
Operating Voltage	8–16 VDC, 6mA

Connection

ANC Power Supply	2 AA batteries (operating time 30 hours)
Headphone/Microphone	PJ-0068, PJ-055
Connecting Cable Length	6 ft.

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Manufacturing Plant: Am Labor 1, 30900 Wedemark, Germany

Product Variants

Stereo version of HMEC 25-KA, and includes right & left volume controls	HMEC 25-KAS
PJ-type connector, pin 5 powered (28 V aircraft)	HMEC 25-CAP
PJ-type connector, mic jack powered 28V	HMEC 25-KAP
PJ-type connector, XLR-3 powered (12–35 V)	HMEC 25-KAX