

# 903E-2 Microphone, electret blade mount

- Tailored voice response for high articulation per RTCA/DO-214A
- Immune to aircraft generated magnetic fields
- EMI and RFI protected
- PJ-068 and A4M models available
- Certified to FAA TSO-C139a standards



The model 903E-2 noise-canceling condenser handheld microphone is designed for use in high noise environments where high speech intelligibility is critical such as in aircraft cockpits, passenger cabins, control towers, or terminal areas.

## Technical specifications

Microphone element type	Electret condenser
Frequency response (Hz)	300 Hz – 5,000 Hz
Impedance	Matches standard aircraft input circuit
Sensitivity @ 1 kHz (dBV/Pa)	-28 ±3 dBV/Pascal
Total harmonic distortion + noise (%)	5% at 114dB SPL between 350 Hz and 6kHz, and output shall increase at least 5dB when input is increased from 114 to 120dB SPL at response peak.
Power requirements	See test circuit (per RTCA/DO-214A)
Current consumption (mA)	1.5 mA – 6 mA
Operating voltage (VDC)	8 VDC – 16 VDC
Case Material	Black ABS
Dimensions (H x W x D) (in)	3.6 in x 2.4 in x 1.4 in
Dimensions (H x W x D) (mm)	91.5 mm x 61.0 mm x 35.6 mm
903-2341 Microphone, electret blade mount, PJ068	
Weight (lb)	0.40 lb
Weight (g)	181 g
903-2342 Microphone, electret blade mount, A4M	
Weight (lb)	0.44 lb
Weight (g)	200 g

Accessories supplied	Panel mounting bracket
Certification	FAA TSO-C139a

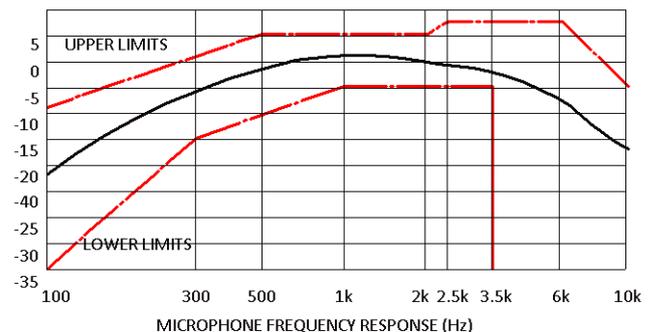


Fig. 1: Typical Normalized Frequency Response

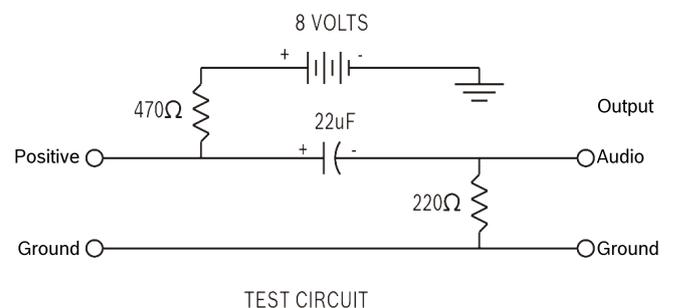


Fig. 2: Test Circuit

## Ordering information

### **903-2341 Microphone, electret blade mount, PJ068**

Designed specifically for use in commercial aircraft cockpits to assist with critical pilot communications

Order number **903-2341 | F.01U.396.090**

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### **903-2342 Microphone, electret blade mount, A4M**

Designed specifically for use in commercial aircraft cockpits to assist with critical pilot communications

Order number **903-2342 | F.01U.396.091**

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