



978-1550

Electret Condenser Boom Microphone for Aviation Headsets

- Highly reliable
- Lightweight
- EMI and RFI protected
- Small size
- Operates with either polarity
- Mounts to standard booms
- Mates with U-173/U standard audio connector
- Optional windscreen (part number 73053)

SPECIFICATIONS (Per RTCA/DO-170)

Generating Element:
Electret condenser

Frequency Response (see Figure 2):
300-5,000 Hz

Polar Pattern:
Bidirectional noise cancelling

Impedance:
50 ohms

Sensitivity (output of built-in amplifier):
400 mV ± 3 dB for 114 dB re 20 μ pascals (normal speech)

Power Requirements:
See test circuit, Figure 3 (operates into carbon microphone circuit)

Current Drain:
8 mA at 8 V dc (12-volt system)
25 mA at 16 V dc (24-volt system)

Case Material:
Black ABS

Dimensions:
41.9 mm (1.65 in.) length
14.2 mm (0.56 in.) width
13.0 mm (0.51 in.) depth

Weight:
6 grams (0.21 oz)

Mating Connector:
U-173/U

Certification:
FAA TSO C-58a

DESCRIPTION

The Electro-Voice 978-1550 condenser boom microphone is designed for use in high noise environments where high speech intelligibility is desired, such as in aircraft cockpits and industrial areas.

CAUTION!

The noise cancellation features of this microphone are developed to such a high degree that care in positioning is required. The microphone should be placed close to the mouth and just to the side of the wearer's lips for best performance.

WARRANTY (Limited)

Electro-Voice Aircraft Microphones and Accessories are guaranteed for 36 months from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, microphone will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Telex service facility. Unit will be returned prepaid. Warranty does not cover finish, appearance items, cables, cable connectors, or switches and does not cover malfunction due to abuse or operation at other than specified conditions. Repair by other than Telex or its authorized service agencies will void this guarantee.

For correct shipping address, instructions on return of Electro-Voice products for repair, and locations of authorized service agencies, please write: Service Department, Telex Communications, Inc. 1720 East 14th Street Glencoe, MN 55336 (phone 320-864-3177)

Telex also maintains complete facilities for non-warranty service of EV products.

Specifications subject to change without notice.

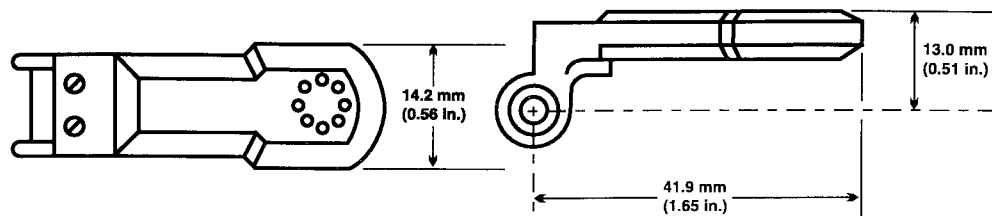


FIGURE 1 — Dimensions

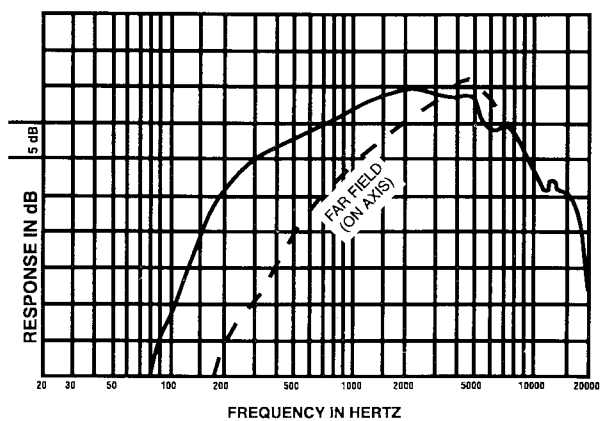


FIGURE 2 — Frequency Response

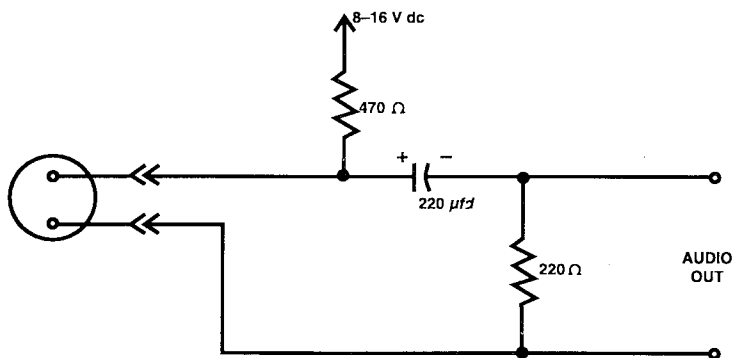


FIGURE 3 — Test Circuit Per RTCA/DO-170



ELECTRO-VOICE

Telex Communications, Inc., 12000 Portland Ave South, Minneapolis, MN 55337

©Telex Communications, Inc. - Litho in U.S.A.

Part Number 532857-0011