Technical Data Sheet
TEL-66T and TEL-66TRA
Dynamic Microphones

Design Features

Noise Cancellation
The microphone provides best noise cancellation when the user holds it very close to the mouth and speaks in a normal voice. The microphone discriminates against all sounds more than ½-inch away. A position at one side of the mouth is best to minimize popping, hissing, and breathing sounds when speaking.

Microphone Gain Adjustment
The microphone gain is adjustable through an opening in the back of the microphone using a small, flat-blade screwdriver. The microphone is supplied with an adhesive label which may be placed over this opening after adjustment to prevent tampering. Adjustment by a qualified avionics technician is recommended, as excessive output can cause transmitter overload distortion.

General Description

The Telex Model TEL-66T is a noise-cancelling aircraft communication microphone. It consists of a dynamic microphone cartridge, transistor amplifier, and push-to-talk switch in a rugged, black plastic case. A hanger bracket and mounting hardware are provided with the microphone.

The Model TEL-66T has a straight PJ-068 plug. The Model TEL-66TRA is identical to the TEL-66T, except that it has a molded right-angle plug.

The Models TEL-66T and TEL-66TRA are approved for aircraft use under Federal Aviation Agency TSO C-58.

Specifications

Type:
Close talking differential, dynamic element

Frequency Response
100-5000Hz

Impedance
50-600Ω

Sensitivity
-48dB (re: 1V/μbar at 1kHz, ¼-inch from microphone with 150Ω load and 12Vdc)

Supply Voltage
8-30 Vdc

Current Requirements
15mA at 12 volts, 100 Ω load
30mA at 24 volts, 100 Ω load

Switch
Microphone and relay circuits normally open

Cord
Three (3) conductor coil cord. 5ft (1.5m) extended length

Plug Type
Model TEL-66T: PJ-068
Model TEL-66TRA: Molded right angle (PJ-068 equiv)

Weight
9oz. (255 g)

Dimensions
See Dimensional Drawing on back
Diagrams

Figure 1: Dimensional Drawing

Figure 2: Wiring Diagram

Figure 3: Frequency Response (Typical)

Ordering Information

Model TEL-66T with PJ-068 plug .................................................................Catalog No. 60837-001
Model TEL-66TRA with right angle plug (equiv. to PJ-068) ...........................................Catalog No. 60837-008
Replacement Hanger Bracket (supplied with mounting hardware) ........................................Catalog No. 61506-000