

TELEX

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



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.

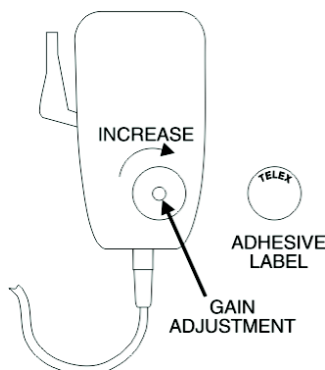
Design Features

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 1/2-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.



Specifications

Type:

Close talking differential, dynamic element

Frequency Response

100-5000Hz

Impedance

50-600 Ω

Sensitivity

-48dB (re: 1V/ μ bar at 1kHz, 1/4-inch from microphone with 150 Ω 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

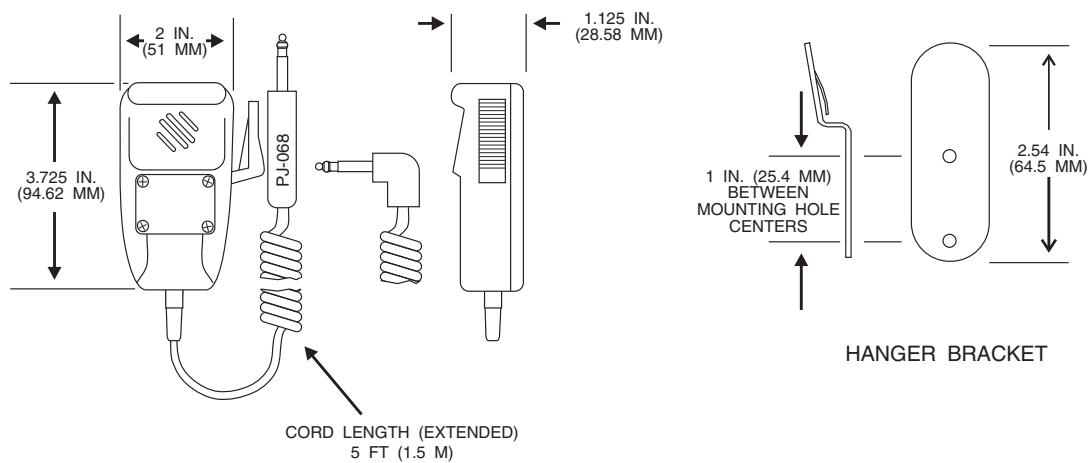


Figure 1: Dimensional Drawing

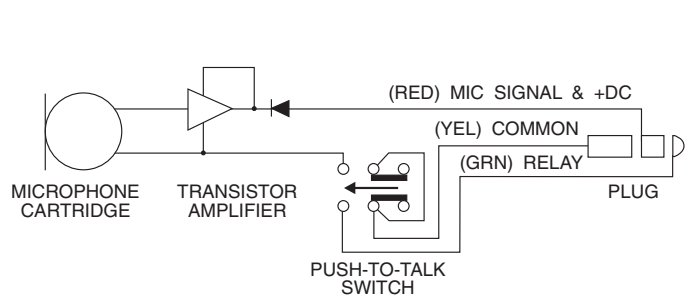


Figure 2: Wiring Diagram

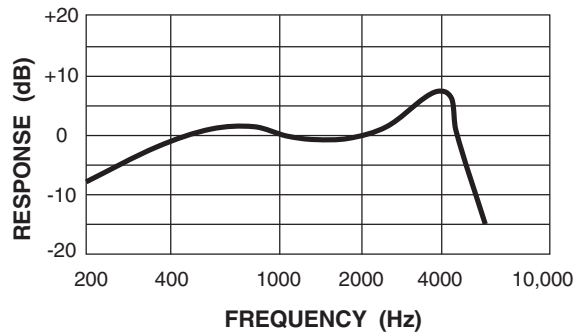


Figure 3: Frequency Response (Typical)

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