



Figure 1. 677B, with Easy-Connect Neck Cord, Used as a Lavalier Microphone.



Figure 2. 677B, with New Lapel/Tie Clip Holder, Used as a Lavalier Microphone



Figure 3. 677B, Used with the Flexible Mounting

Features

Miniature Lavalier

Weight — Less Than 1 oz

Ideal for Pulpits,
Lectern Mounting

Perfect for Switchboard
Mounting

Flexible for Counter Use

Extended Frequency Response

Special Polyester Diaphragm

Unaffected By Blast and Shock

Rugged Construction
Throughout

Easy-Connect Neck Cord

New Lapel/Tie Clip Holder

"Non-Glare" Enamel Finish

Special Gooseneck
Mounting Accessory

Field Replaceable
Microphone Element

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The Altec 677B Microphone is designed for any application requiring excellent voice reproduction with the convenience of a miniature dynamic microphone. The 677B is $\frac{7}{8}$ " in diameter at the top, tapering to $\frac{3}{4}$ " at the cable entrance. Being constructed of Aluminum and only $1\frac{3}{8}$ " in length, the microphone weighs 0.91 oz. The 677B is the miniature microphone which will solve the problem of size and weight.

A distinctive feature that enhances the value of the Altec 677B Microphone is the field replaceability of the microphone unit. By unscrewing the microphone cap and removing the microphone cartridge from the shell, a new unit may be installed. This procedure may be completed with only simple hand tools.

The 677B Microphone is furnished with 20 feet of small diameter, highly flexible two-conductor shielded cable. By the use of simple hand tools, the cable is replaceable in the field. This new cable reduces cable noise below the amount usually found in Lavalier microphones and allows the performer greater freedom of movement with less extraneous noise. As a lavalier microphone, the 677B is one of the smallest and lightest microphones on the market today. The 677B, a microphone with full frequency range, is designed for those difficult applications necessitating microphone concealment, individual mobility, and freedom of hands and body.

The microphone may be worn using either a Nylon neck-cord or the new lapel/tie clip holder (Figures 1 and 2).

The 677B Microphone is not only a lavalier microphone of professional quality, but is designed to be a high quality microphone for public speaking, lecturing, announcing, or any other application that demands an unobtrusive microphone coupled with excellent voice reproduction.

When used in conjunction with the 35A Flexible Microphone Mounting (Figure 3), the 677B becomes the ideal microphone for paging, switchboard operation, or announcing. The 35A is a lightweight, 13", chrome, gooseneck type microphone mounting. Being a flexible mounting, the microphone may be moved to the required position easily, quickly, and silently. The mounting has $\frac{5}{8}$ "-27 thread, the standard of the industry, allowing the 35A to be connected to any microphone stand without the need for adapters. For a permanent mounting facility, the 40933 Mounting Flange (Figure 3) is recommended. The mounting flange is constructed of chrome plated diecast zinc. Being light in weight and only $1\frac{3}{4}$ " in diameter, the flange may be mounted in a limited amount of space, horizontally or vertically.

While being a miniature dynamic microphone, the 677B has an exceptionally smooth frequency response from 70 to 12,000 Hz when used as a lavalier. The output level is an effective -58 dBm/10 dynes/cm² and the output impedance is 150/250 Ohms. Altec's latest achievements in microphone design have made possible a microphone that is attractive in styling and is the ultimate in reliability and overall performance. The diaphragm is highly resistant to the effects of blast and shock and is not affected by chemically corrosive atmospheres. The 677B will withstand temperature variations from -20 degrees to +140 degrees Fahrenheit.



A Division of  Ling Altec, Inc.

1515 S. Manchester Ave., Anaheim, Calif. 92803

New York

ALTEC 677B

SPECIFICATIONS

Type:	Moving Coil Dynamic Microphone	Finish:	Baked enamel, non-glare dark green
Frequency Response:	70 to 12,000 Hz when used as a lavalier	Mounting:	"Slip-on" Lavalier Assembly #40702 and Lapel/Tie Clip Holder #41496-1 are furnished. Microphone comes complete with 20 feet of 2-conductor shielded cable. The 35A Flexible Microphone Mounting and 40933 Mounting Flange are available separately for mounting the 677B on lecterns, pulpits, etc.
Output Impedance:	150/250 Ohms	Accessories:	See "Microphone Accessories" sheet for floor stands, on-off switches, adapters, and other microphone accessories.
Output Level:	-58 dBm/10 dynes/cm ²		
Pickup Pattern:	Omnidirectional		
Hum:	-120 dB (Ref.: 10 ⁻³ Gauss)		
Dimensions:	7/8" diameter at top to 3/4" at cable entrance, 1 3/8" long		
Weight:	0.91 oz. (not including cable or Lavalier assembly)		

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The microphone shall be of the dynamic moving coil type having the following specifications: The microphone shall be omnidirectional in character and shall have a diaphragm of polyester with tangential compliance to provide full protection against extreme shock and blasts. The diaphragm shall not be susceptible to the effects of corrosive fumes. The microphone shall withstand temperature variations from -20 degrees to +140 degrees Fahrenheit. The microphone cartridge shall be of the type which is replaceable in the field without the need of special skills or tools.

The case shall be cylindrical in shape and shall not measure more than 7/8" in diameter at the top, to 3/4" at the cable entrance and shall be no longer than 1 3/8". The microphone case shall be constructed of Aluminum. The microphone shall not weigh more than 0.91 oz, not including lavalier assembly or cable, and shall be furnished complete with a "slip-on" lavalier neck cord and a lapel/tie clip holder. The microphone shall be complete with 20 feet of 2-conductor shielded cable. The microphone shall be designed so that it may be used as a paging, lectern, etc., type microphone when used in conjunction with the Altec 35A Flexible Microphone Mount (described elsewhere). For permanent mounting of the 35A, the 40933 Mounting Flange is recommended (described elsewhere). The frequency response shall be uniform from 70 to 12,000 Hz, when used as a lavalier. The output shall be at least -58 dBm/10 dynes/cm² and the output impedance shall be 150/250 Ohms balanced to ground.

Any microphone not meeting these requirements shall be deemed unacceptable under these specifications.

The microphone shall be Altec Lansing Model 677B.

NOTICE
We recommend that you obtain your Altec products from factory trained authorized Altec Sound Contractors and Distributors. This will assure you of proper installation, a continuing source of knowledgeable advice, service, and quick warranty protection.