



Features

Wide Frequency Response

Omnidirectional
Pickup Pattern

Rugged Mylar® Diaphragm

Polyester Foam Filter

Impervious to Shock and Blast

Light Weight — Small Size

Comfortably Balanced
for Hand Use

Withstands Humidity
and Temperature Extremes

Sturdy Reliable Construction

Positive "Lock-In"
Safety Facility

3-Pin Connector

SOUND SYSTEMS — PAGING — BROADCASTING TELECASTING — RECORDING

Designed for general purpose use, the 682B omnidirectional microphone incorporates the many proven design factors developed by Altec's pioneer work in the field of dynamic transducers.

Wide range and uniform frequency response are attained by the use of Altec's outstanding Diaphragm of Mylar® which provides great resistance to shock and blasts. The diaphragm is not affected by commonly encountered corrosive fumes, and assures continued sound pickup under the most adverse conditions. An internal pop-screen filter, composed of polyester foam, provides further protection of the diaphragm.

Omnidirectional pickup characteristics make the 682B an ideal unit for sound systems, paging, music, broadcasting and recording. The microphone utilizes the moving coil dynamic principle, the accepted standard for efficient pickup, and has a uniform frequency response from 45 to 20,000 cycles. Impedance of the 682B is 150/250 ohms. The output level is an extremely efficient —55 dbm/10 dynes/cm².

The 682B microphone is supplied with a 3-pin connector which accepts the Cannon XLR-3-11C plug, used by broadcasting, recording and telecasting engineers. The new 3-pin connector allows easy, convenient connection of the microphone to existing cable assemblies without the need for adapters.

The microphone housing is custom-styled resulting in a slim, conical profile with minimum weight. It is available in a choice of finishes: Dark green and black, dark brown and platinum, or brushed chrome. A slip-on adapter with standard 5/8" —27 thread is supplied to enable quick removal and replacement of the microphone on the stand.



A Division of *LSPI* Ling Altec, Inc.

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SPECIFICATIONS

| | |
|----------------------------|---|
| Type: | Moving Coil Dynamic |
| Frequency Response: | 45 to 20,000 cps. |
| Output Impedance: | 150/250 ohms |
| Output Level: | -55 dbm/10 dynes/cm ² |
| Pickup Pattern: | Omnidirectional |
| Hum: | -120 db (Ref.: 10 ⁻³ Gauss) |
| Dimensions: | 1 1/8" diameter at top, 7" long, not including plug |
| Weight: | 8 ozs. (not including cable and plug) |
| Finish: | Two-tone baked enamel: black and dark green, or dark brown and platinum, or brushed chrome |
| Mounting: | Separate "Slip-on" adapter No. 13796 (black) furnished with green or chrome 682B; or 13797 (brown) furnished with platinum 682B. Adapter has standard 5/8" -27 thread. Swivel mounting permits proper positioning of the microphone on all stands. Microphone includes 15 feet, 2 conductor shielded cable (100% shield) and a plug for connection to the microphone. |
| Accessories: | See "Microphone Accessories" sheet for desk or floor stands, on-off switches, adapters, and other microphone accessories. |

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 having a diaphragm of Mylar® with tangential compliance and shall be fully protected against extreme shock and blast. The diaphragm shall withstand exposure to temperature variations from -20 to +160 degrees Fahrenheit and shall not be susceptible to the effects of corrosive fumes. The microphone sound entrance shall be further protected by an internal polyester foam filter to prevent breath-blast. The microphone shall accept the standard 3-pin connector, such as the Cannon XLR-3-11C, directly without the use of adapters. Microphones supplied under this specification shall not be of the multiple impedance type thereby eliminating the possibility of the microphone being installed with the improper matching impedance. The microphone shall be furnished complete with 15 feet of 2-conductor shielded cable (100% shield) and a plug for connection to the microphone.

The frequency response shall be uniform from 45 to 20,000 cps. The output level shall be -55 dbm/10 dynes/cm² and the output impedance shall be 150/250 ohms balanced to ground. The case shall be conical in shape and shall not measure more than 1 1/8" in diameter at the top, and shall be no longer than 7" not including the cable connector. The microphone shall be furnished complete with a slip-on swivel adapter for mounting on a microphone stand. The microphone shall utilize a special "lock-in" facility, permitting instantaneous insertion and removal from the adapter with a minimum amount of effort on the part of the performer or user, yet providing complete protection from accidental slippage of the microphone, regardless of positioning. The color of the microphone shall be: (select one) dark green and black, dark brown and platinum, or brushed chrome.

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

This microphone shall be Altec Lansing Model 682B.

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.