



## Features:

Response From 50 to  
18,000 Cycles

Omnidirectional Pickup  
Pattern

Special Altec  
Mylar® Diaphragm

Blast and Shock Resistant

Withstands Extreme  
Temperature Variations

High Output Level

Smart Styling —  
Rugged Construction

Moderately Priced

## PAGING • SOUND SYSTEM • HOME RECORDING RADIO AMATEUR • GENERAL PURPOSE

The model 681A microphone is a high quality, inexpensive unit, having an omnidirectional pickup pattern and is designed for general purpose installations such as public address systems, public speaking and paging systems.

This microphone incorporates Altec's dynamic moving coil and the new *Golden Diaphragm* of Mylar® polyester to provide smooth, uniform frequency response from 50 to 18,000 cycles. The new diaphragm is also highly resistant to shock, blasts, corrosive fumes, and temperature extremes assuring the user of extensive microphone service life.

The microphone has been styled for a slim, tapered appearance, is light in weight and comfortably balanced for hand-held use.

It is available finished in either dark green enamel, brushed chrome or custom finished in 22-carat gold plate, proper for use of the microphone on the lectern or pulpit in traditional or modern church interiors. An extremely hard baked, clear lacquer coating has been provided for protection against scratching, scraping or other accidental damage.

All microphones are complete with cable and slip-on adapter for stand use.

To match requirements of the installation, the model 681A is supplied with either 150/250 or 20,000 ohms output impedance.



A Division of *LLV* Ling Altec, Inc.

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## SPECIFICATIONS

<b>Type:</b>	Moving Coil Dynamic
<b>Frequency Response:</b>	50 to 18,000 cycles
<b>Output Impedance:</b>	150/250 or 20,000 ohms (specify impedance)
<b>Output Level:</b>	-55 dbm/10 dynes/cm <sup>2</sup>
<b>Pickup Pattern:</b>	Omnidirectional
<b>Hum:</b>	-120 db (Ref.: 10 <sup>-3</sup> Gauss)
<b>Dimensions:</b>	1 1/8" diameter at top, 7 3/8" long
<b>Weight:</b>	10 ozs. (including cable)
<b>Finish:</b>	Dark Green baked enamel, brushed chrome or custom finished 22-carat Gold plate (specify)
<b>Mounting:</b>	Separate "Slip-On" adapter No. 13796 (black) furnished. Adapter has standard 5/8" — 27 thread
<b>Accessories:</b>	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 employing a diaphragm of Mylar® polyester to provide full protection against extreme shock and blasts. The diaphragm shall withstand exposure to temperature variations or from -20 degrees F to 160 degrees F and shall not be susceptible to the effects of corrosive fumes. The frequency response shall be uniform from 50 to 18,000 cps. The case shall be conical in shape and shall not measure more than 1 1/8" in diameter in its largest dimension and shall be no longer than 7 3/8". The microphone shall be furnished complete with a slip-on adapter for mounting on a microphone stand. The microphone shall be available in: (select one) Dark Green baked enamel, brushed chrome, or custom finished in 22-carat gold plate. The output level shall be at least -55 dbm (SPL equals 10 dynes/cm<sup>2</sup>) and the output impedance shall be 150/250 or 20,000 ohms (specify impedance) balanced with respect to ground. The hum shall be no greater than -120 db (Ref.: 10<sup>-3</sup> Gauss). Any microphone not meeting all of these requirements shall be deemed unacceptable under these specifications.

This microphone shall be Altec Lansing Model 681A.

**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.