

674A, 675A, 678A, 679A DYNAMIC MICROPHONES

674A, 675A

678A, 679A



Features

Available in Cardioid or
Omnidirectional Pickup
Patterns

Special Polyester Diaphragm

Resistant to Shock and Blasts

Unaffected by Humidity
Extremes

Recording Quality

Sturdy Compact Styling

Withstands Temperature
Variations

Built-In 'Pop' Filter

Attractively Styled

High or Low Impedance
Models

Low Cost

HOME RECORDINGS — NIGHT CLUB SOUND SYSTEMS AMATEUR RADIO — PAGING — ANNOUNCING

The 674A, 675A, 678A, and 679A Microphones represent a new line of low cost microphones, incorporating the engineering design benefits of the dynamic moving coil principle and includes a tangential compliance diaphragm heretofore found only in higher priced microphones.

These new models are available in both cardioid and omnidirectional types and are particularly suited for use in paging, sound systems, home recording, amateur radio, and all general purpose uses. Altec's new series of microphones incorporates the same great quality, rugged dependability and handsome styling that have made Altec professional studio microphones the standard of the industry. Wide range and uniform frequency response is attained by the use of Altec's polyester diaphragm which provides high resistance to shock and blast and is not affected by commonly encountered corrosive fumes. These features assure continued sound pick-up under the most adverse conditions. The 674A, 675A, 678A, and 679A microphones have a useable temperature range from -20 degrees to $+140$ degrees Fahrenheit. A new polyester foam filter used in the 674A, 675A, 678A, and 679A microphones assures protection of the acoustical element by prohibiting breath-blast.

The brushed chrome and black microphone housing is custom-styled resulting in a slim, cylindrical profile, with minimum weight. A slip-on swivel adapter with standard $\frac{3}{8}$ "-27 thread is supplied to enable quick removal and replacement of the microphone on the stand. Also supplied is 15 feet of 2-conductor shielded (100% shield) cable.

The 678A and 679A Cardioid Dynamic Microphones have a uniform frequency response from 50 to 14,000 cycles. The 678A has an output impedance of 150/250 ohms while the 679A has an output impedance of 20,000 ohms. Being cardioid microphones, the 678A and 679A are most useful in installations where sound pickup should be from one direction only, or where background noise pickup or feedback may be a problem. They are recommended for any application where a high quality unit of this type is required.

Omnidirectional pickup pattern makes the 674A and 675A microphones ideal units where directional sound pickup is not a necessity, yet where extremely high quality is required. The microphone utilizes the moving coil principle, with a sensitivity of -58 dbm/10dynes/cm² and has a uniform frequency response from 50 to 14,000 cycles. The impedance of the 674A is 150/250 ohms. The impedance of the 675A is 20,000 ohms.



A Division of *LSV* Ling Altec, Inc.

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SPECIFICATIONS

	678A and 679A	674A and 675A
Type:	Moving Coil Dynamic	Moving Coil Dynamic
Frequency Response:	50 to 14,000 cycles	50 to 14,000 cycles
Output Impedance:	150/250 ohms for the 678A 20,000 ohms for the 679A	150/250 ohms for the 674A 20,000 ohms for the 675A
Output Level:	-58dbm/10dynes/cm ²	-58dbm/10dynes/cm ²
Pickup Pattern:	Cardioid	Omnidirectional
Hum:	-120 db (Ref.: 10 ⁻³ Gauss)	-120 db (Ref.: 10 ⁻³ Gauss)
Dimensions:	1 $\frac{1}{32}$ " in diameter at top, 7 $\frac{1}{8}$ " long	1 $\frac{1}{32}$ " in diameter at top, 7 $\frac{1}{8}$ " long
Discrimination:	Average front to back, 15 db	Not Applicable
Weight:	4.5 ozs for 678A (not including cable or stand adapter) 4.75 ozs for 679A (not including cable or stand adapter)	4.1 ozs for 674A (not including cable or stand adapter) 4.3 ozs for 675A (not including cable or stand adapter)
Finish:	Black and Chrome	Black and Chrome
Mounting:	Separate "Slip-on" swivel adapter No. 40795 (black). Adapter has standard $\frac{5}{8}$ "-27 thread. Swivel mounting permits proper positioning of microphone on all stands. Microphone comes complete with 15 feet of 2-conductor shielded cable (100% shield).	Separate "Slip-on" swivel adapter No. 40795 (black). Adapter has standard $\frac{5}{8}$ "-27 thread. Swivel mounting permits proper positioning of the microphone on all stands. Microphone includes 15 feet of 2-conductor shielded cable (100% shield).
Accessories:	See "Microphone Accessories" sheet for floor stands, on-off switches, adapters, and other microphone accessories.	See "Microphone Accessories" sheet for floor stands, on-off switches, adapters, and other microphone accessories.

ARCHITECTS AND ENGINEERS SPECIFICATIONS**678A OR 679A**

The microphone shall be of the cardioid type employing the moving coil dynamic principle with a diaphragm of polyester having tangential compliance to provide full protection against extreme shock and blast. The diaphragm shall not be susceptible to the effects of chemical fumes. The microphone shall withstand temperature extremes from -20 degrees to +140 degrees Fahrenheit. The frequency response shall be uniform from 50 to 14,000 cps.

The case shall be cylindrical in shape and shall not measure more than 1 $\frac{1}{32}$ " in diameter in its largest dimension and shall be no longer than 7 $\frac{1}{8}$ ", not including cable. The microphone (not including cable or stand adapter) shall weigh (select one): 678A—4.5 ozs; 679A—4.75 ozs. The color of the microphone shall be brushed chrome and black. The microphone shall be furnished with a "Slip-on" swivel adapter and 15 feet of 2-conductor shielded (100% shield) cable.

The output level shall be at least -58dbm/10dynes/cm² and the output impedance shall be (select one): 150/250 ohms—678A; 20,000 ohms—679A. The average discrimination between the front and back of the microphone shall be in the order of 15 db over the range of 50 to 14,000 cps. The hum shall be no greater than -120 db (Ref.: 10⁻³ Gauss).

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

This microphone shall be Altec Lansing Model (select one): 678A; 679A.

674A OR 675A

The microphone shall be of the dynamic moving coil type having the following specifications: The microphone shall have an omnidirectional pickup pattern. The microphone pressure unit shall have a diaphragm of polyester with tangential compliance and shall be protected 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 sound entrance shall be protected by an internal pop-screen filter to prevent breath-blast. The case shall be cylindrical in shape and shall not measure more than 1 $\frac{1}{32}$ " in diameter at the top, and shall be no longer than 7 $\frac{1}{8}$ ", not including cable. The microphone (not including cable or stand adapter) shall weigh (select one): 674A—4.1 ozs; 675A—4.3 ozs. The color of the microphone shall be brushed chrome and black.

The frequency response shall be uniform from 50 to 14,000 cps. The output level shall be at least -58dbm/10dynes/cm² and the output impedance shall be (select one): 674A—150/250 ohms; 675A—20,000 ohms. The microphone shall be furnished complete with 15 feet of 2-conductor shielded cable (100% shield) and a "Slip-on" swivel microphone stand adapter.

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

This microphone shall be Altec Lansing Model (select one): 674A; 675A.

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.