

Western Electric

349A Vacuum Tube

CLASSIFICATION

This vacuum tube is a suppressor-grid pentode having an indirectly heated cathode which permits operation of the heater element directly on alternating current.

It is intended for use primarily as an audio-frequency power amplifier where power outputs of approximately 3.5 watts are required and where the plate voltage is not in excess of 250 volts.

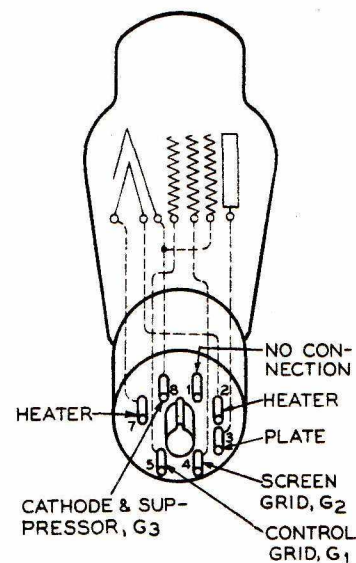
BASE, SOCKET AND MOUNTING

This vacuum tube employs a small shell seven-pin octal base.

The tube may be mounted in any position.

HEATER RATING

Heater voltage	6.3 volts, a.c. or d.c.
Nominal heater current	1.0 ampere



The heater element is designed to operate on a voltage basis and it should be operated as near the rated voltage as practicable. Operation at a higher voltage will definitely reduce the life of the tube.

OPERATING CONDITIONS

Plate Volts	Screen- Grid Volts	Control- Grid Volts	Average Plate Current Milliamperes
250 Max.	250 Max.	— 14	30
200-250	200	— 9	30
200-250	180	— 8	26

PATENT	1432867	1456505	1456528
1459412	1464104	1478072	1479778
1550768	1605230	1738269	1799850