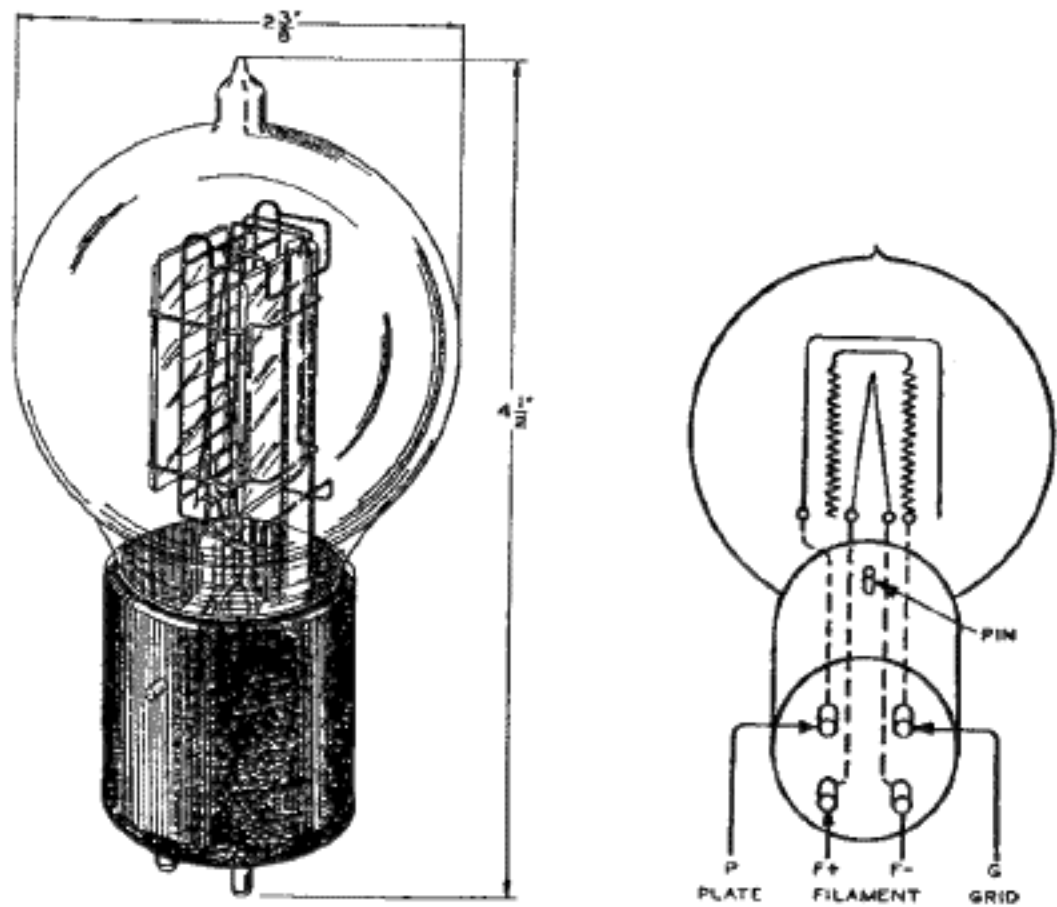


101D Vacuum Tube



Classification

The No. 101D Vacuum Tube is a three-element filamentary type tube for use where small amounts of output power are required.

Base and Socket

The No. 101D Vacuum Tube employs a four-prong bayonet pin type base suitable for use in a Western Electric 100L (front panel mounting), 100R (rear panel mounting), or similar type socket.

Rating and Characteristic Data

Filament Current.....	1.0 Amperes			
Filament Voltage.....	4.5 Volts			
Plate Voltage.....	130	130	160	190 Max.
Grid Voltage.....	-9	-9	-14	-18
Average Plate Current—Milliamperes.....	7.4	7.4	7.35	8.35
Average Amplification Factor.....	6.0	6.0	6.0	5.95
Average Plate Resistance—Ohms.....	5700	5700	5800	5600 ?
*Average Power Output—Milliwatts.....	65	60	135	230 ?
Second Harmonic—% of Fundamental.....	5	3	4	5
Third Harmonic—% of Fundamental.....	0.4	0.2	0.4	0.5
Load Resistance—Ohms.....	5700	11400	11600	11200

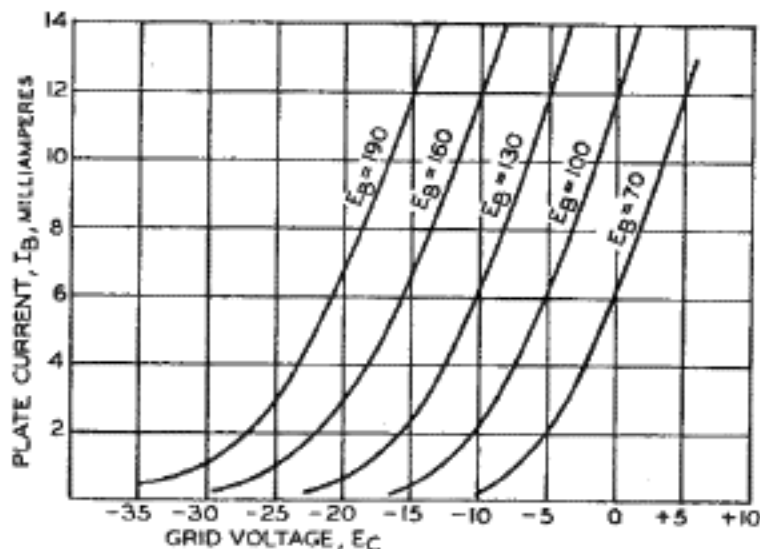
*Input in peak values is equal to grid voltage.

Approximate Direct Interelectrode Capacities (measured without socket)

Plate to Grid.....	5.0 MMF
Plate to Filament.....	2.0 MMF
Grid to Filament.....	3.7 MMF

Average Static Characteristics

The accompanying curves give the average static characteristics of the No. 101D Vacuum Tube.



General Features

An average life of 40,000 hours is obtained when the No. 101D Tube is used in the equipment for which it was designed. This long life feature makes it very well suited for continuous operation where long uninterrupted service is desired.

The electrical characteristics for this tube are such that moderate power outputs are obtainable with small plate currents and with plate voltages under 200 volts. The characteristics of the No. 101D Tube are similar to those of the No. 101F, however, the No. 101D operates at a filament current of 1.0 ampere instead of 0.5 ampere.