

Classification- Dome-type bulb of glass, a white ceramic base with four-prong bayonet golden pins, oxide coated filamentary, mesh plate twin diode.

Application -It is designed to supply direct current up to 200 miliampere from an alternating current source.

Dimensions -Dimensions, outline diagrams of the tube and bases, and the arrangement of electrode connections to the base terminals are shown in Figures 1 and 2.

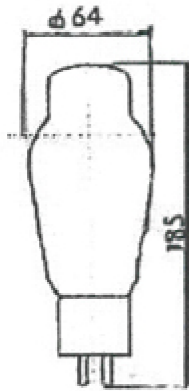
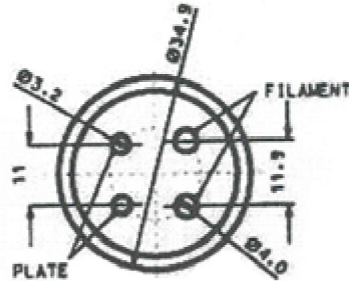
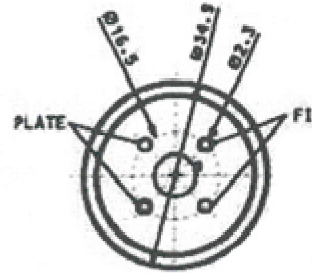


Fig. 1



274A



274B

Fig. 2

Nominal operating conditions and parameters

Filament voltage*	5.0V
Nominal filament current	4A

Choke-Input filter

RiM-S Alternating voltage prelate	550V
Total rectified current	140mA

Condenser-Input Filter

RiM-S Alternating voltage prelate	450V
Total rectified current	120mA

*Alternating-current filament supply or Direct-current filament supply.

Characteristics-Average characteristics

The current-voltage characteristic of a single diode untie of the 274A /B/+tube is shown in Figure 3. Direct-voltage output characteristics are given in Figures 4 and 5. The characteristics of Figure 4 are for a choke-input filter such as is shown in circuit A and those of Figure 6 are for a condenser-input filter such as is shown in circuit B.

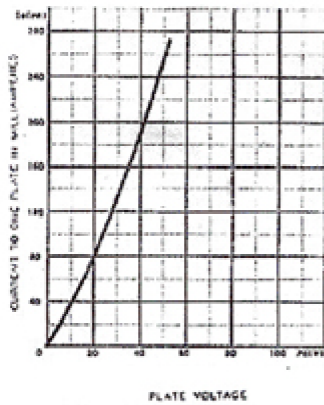


Fig. 4

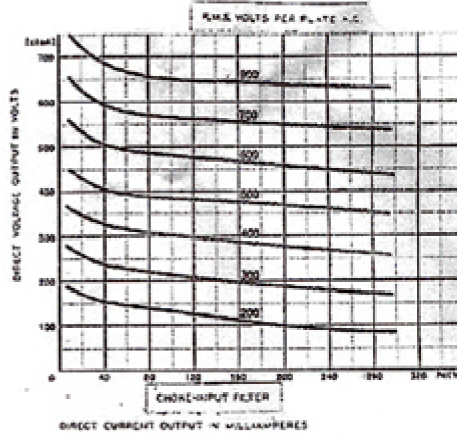


Fig. 5

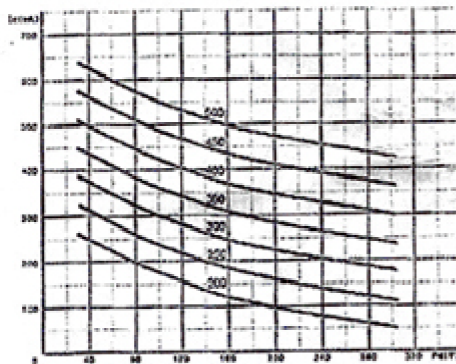
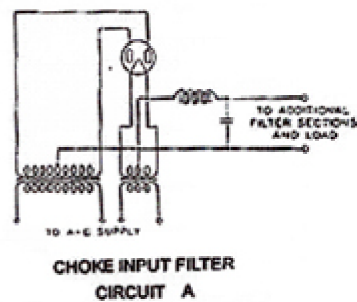
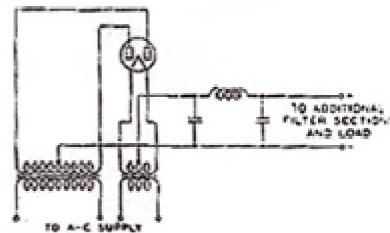


Fig. 6



CHOKE INPUT FILTER
CIRCUIT A



CONDENSER INPUT FILTER
CIRCUIT B

Fig. 7

Limiting Operation Conditions for Safe Nor simultaneous ratings

Choke-input filter:

- 1 Max. R-M-S alternating Voltage per plate 550 V
- 1 Max Total Rectified Current 250 mA
- 2 Max. R-M-S Alternating Voltage per plate 660V
- 2 Max. Total Rectified Current 200mA

Condenser-input Filter:

- 1 Max.R-M-S Alternating Voltage per plate 450V
- 1 Max. Total Rectified Current200mA

*4uF.Maximum filter input capacitance