

PX4/n Vacuum Tube

Classification-Globe-type bulb of glass, a four-prong bayonet pin tube, oxide coated filamentary triode.

Application-Audio frequency amplifier where power outputs of approximately 4.5 watts or less is required at relatively low plate voltages.

Dimensions-Dimensions, outline diagrams of the tube and bases, and the arrangement of electrode connections to the base terminals are shown in Figures 1,2 and 3.

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Nominal operating conditions and parameters

| | |
|-------------------------------|--------------|
| Filament voltage..... | 4.0 V* |
| Nominal filament current..... | 1A |
| Plate voltage..... | 300 V |
| Grid voltage..... | -45V** |
| Plate current..... | 50 mA |
| Impedance..... | 830 ohms |
| Amplification factor..... | 5.0 |
| Mutual Conductance..... | 7.5 mA/V |
| Grid current..... | 0.05 μ A |

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

** Alternating-current filament supply is used. The grid and plate returns should be connected to a center tap on the secondary of the filament transformer.

Direct-current filament supply is used. The grid and plate returns are

connected to the negative end of the filament.

Characteristics-Average characteristics

Figure 4. shown typical curves of plate currents as a function of grid voltage for several values of plate voltages. It is alternating-current filament supply.

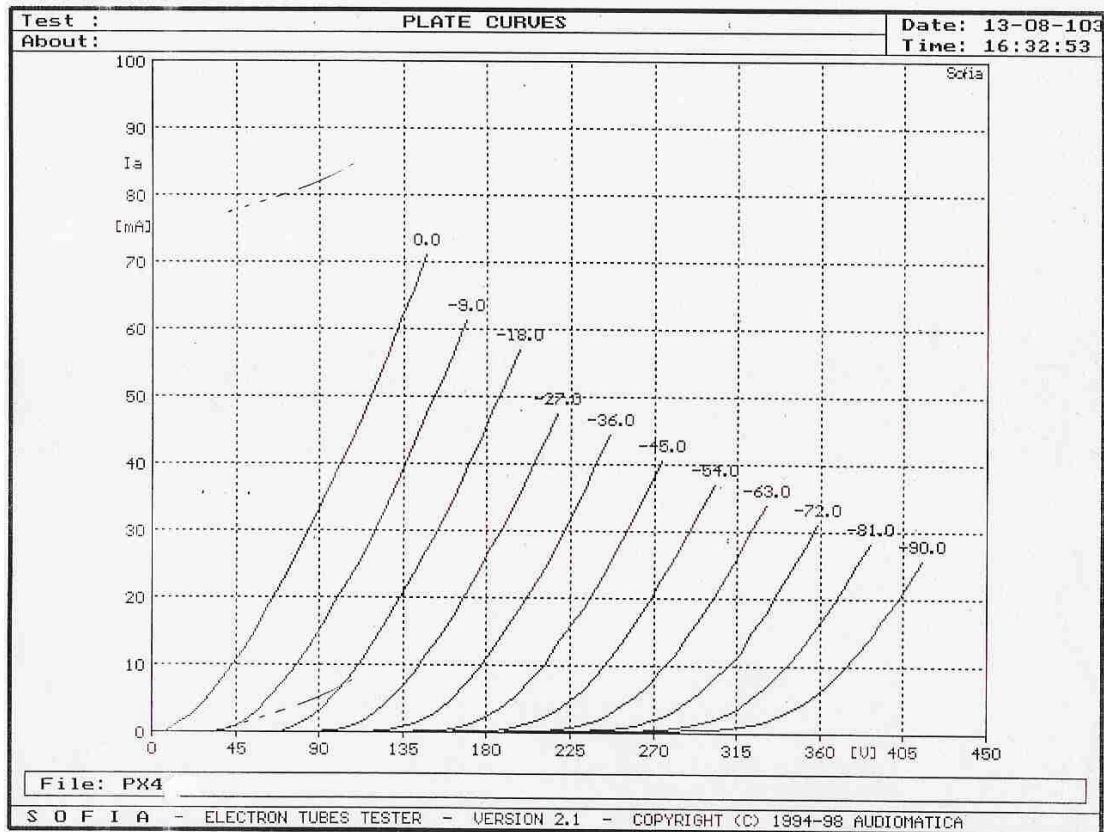


Fig.3

Limiting Operation Conditions for Safe Operation-nor simultaneous ratings

- Maximum plate voltage 300 volts
- Maximum plate dissipation15 watts