

2A3/n Vacuum Tube

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

Application-Audio frequency amplifier where power outputs of approximately 3.5watts 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 and 2.

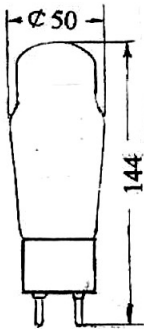


Fig. 1

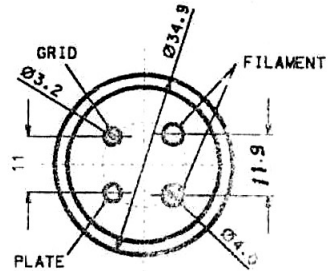


Fig. 2

Nominal operating conditions and parameters

| | |
|-------------------------------------|----------------|
| Filament voltage..... | 2.5 V* |
| Nominal filament current..... | 2.5 A |
| Plate voltage..... | 250 V |
| Grid voltage..... | - 45V** |
| Plate current..... | 60 mA |
| Grid to plate transconductance..... | 5250 micromhos |
| Amplification factor..... | 4.2 |
| Grid current..... | 0.05 μ A |
| Plate resistance..... | 800 ohms |
| Load resistance..... | 2.5kohms |
| Output power..... | 3.5watts |

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

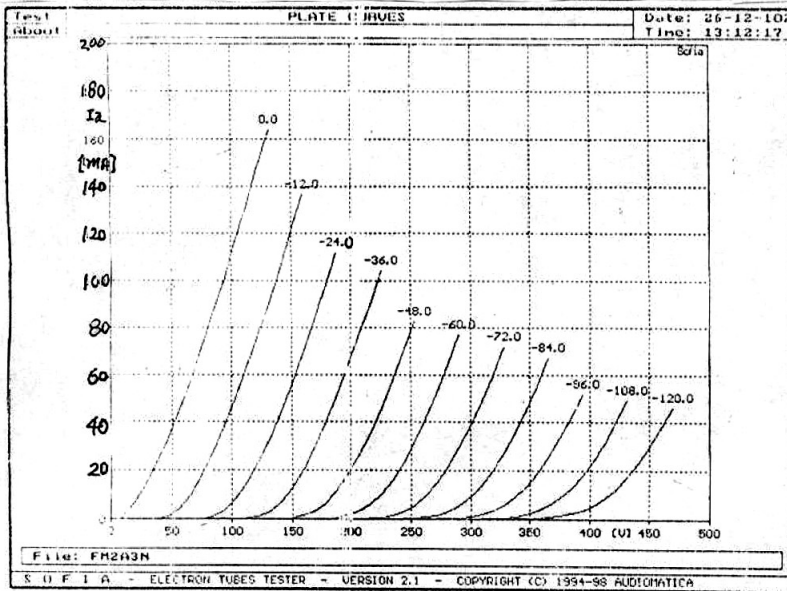


Fig.3

Limiting Operation Conditions for Safe Operation-nor simultaneous ratings

Maximum plate voltage 300 volts
 Maximum plate dissipation 15 watts