

Full music

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

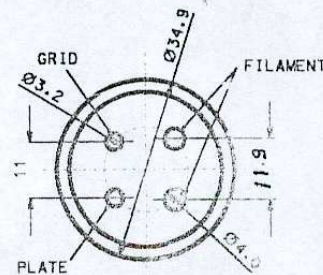


Fig. 2

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.

Full music

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.

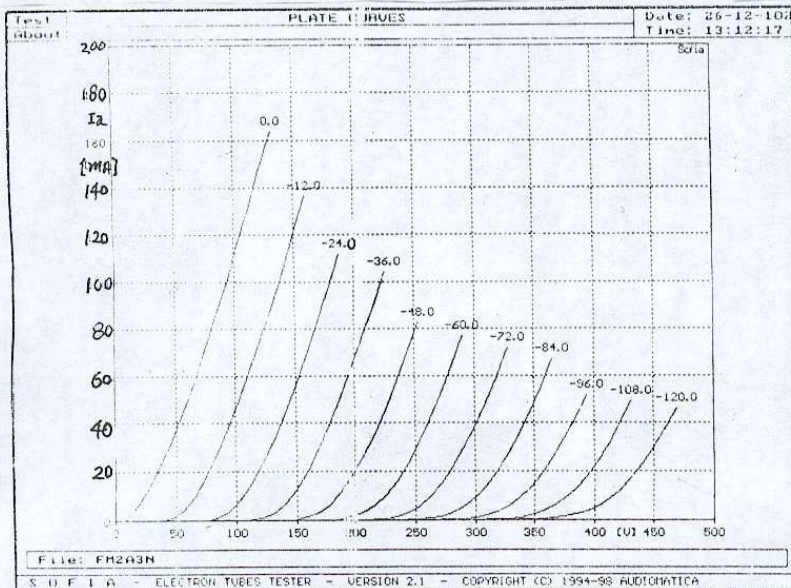


Fig.3

Limiting Operation Conditions for Safe Operation-nor simultaneous ratings

Maximum plate voltage	300 volts
Maximum plate dissipation	15 watts