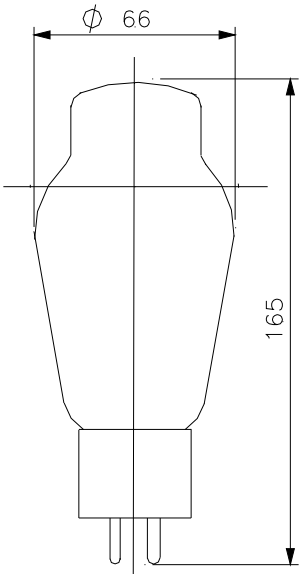
PX25/n Vacuum Tube

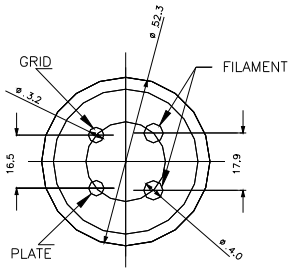
PX25/n/5v Vacuum Tube

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

Application-Audio frequency amplifier where power outputs of approximately 10 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.





PX25/n

Fig. 1 Fig.2

Nominal operating conditions and parameters

Filament voltage……....4.0 V or 5.0 V*

Nominal filament current……. 2 A or 1.6 A

Plate voltage……. 400 V

Grid voltage…….. –30V**
Plate current……...62.5 mA
Impedance***……1265 ohms
Amplification factor***…….9.5
Mutual Conductance***……7.5 mA/V
Grid current……0.05μA

*** 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.
***: **Measured at Va=100;Vg=0**

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.

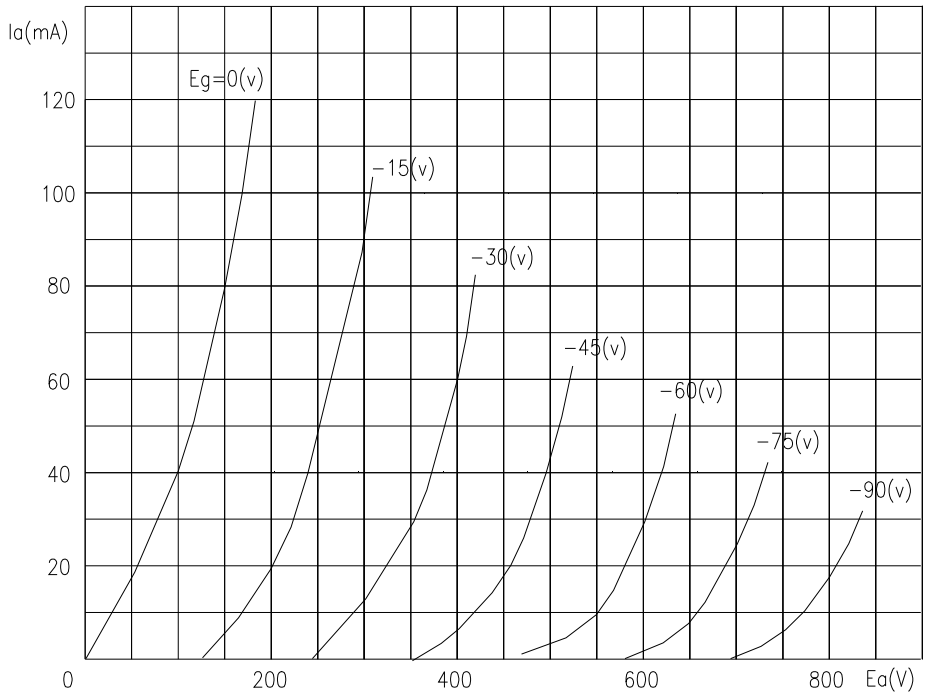


Fig.3

Limiting Operation Conditions for Safe Operation-nor simultaneous ratings

Maximum plate voltage …….... 500 volts
Maximum plate dissipation ……...30 watts