

AZ 1 Rectifying valve

This is a directly-heated, full-wave rectifying valve for medium-power receivers operating on normal working voltages.

FILAMENT RATINGS

Heating: direct by A.C.

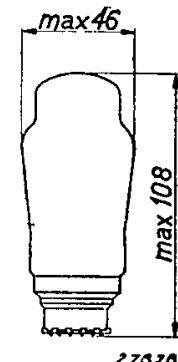


Fig. 1
Dimensions in mm.



27827

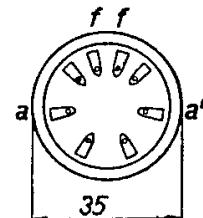


Fig. 2
Arrangement of electrodes and base connections

MAXIMUM RATINGS

Voltage, on no load, at the secondary winding of the power transformer	V_{tr}	=	2×500 V _(eff)
D.C. output on $V_{tr} = 2 \times 500$ V _{eff}	I_o	=	max. 60 mA
D.C. output on $V_{tr} = 2 \times 400$ V _{eff}	I_o	=	max. 75 mA
D.C. output on $V_{tr} = 2 \times 300$ V _{eff}	I_o	=	max. 100 mA
Capacitance of the first smoothing capacitor	C	=	max. 60 μ F

If the valve is to be mounted horizontally, it should be located so that the filament lies in the vertical plane.

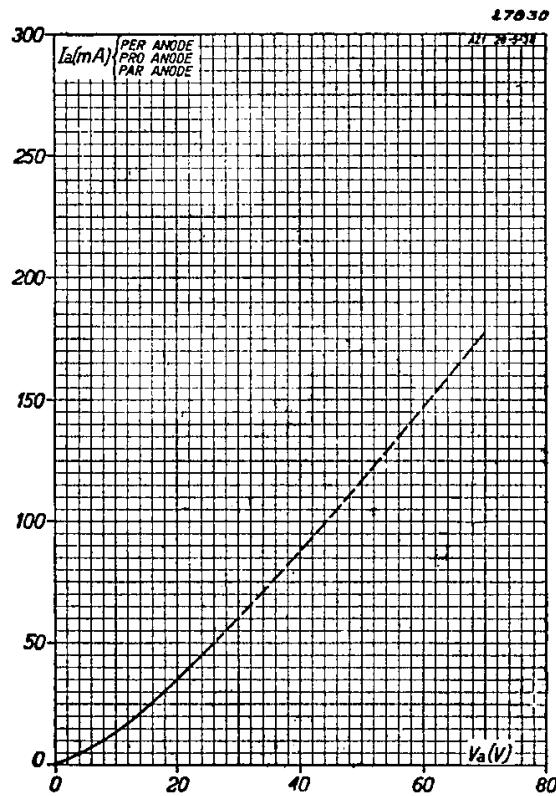


Fig. 3
Current per anode, as a function of the applied direct voltage.

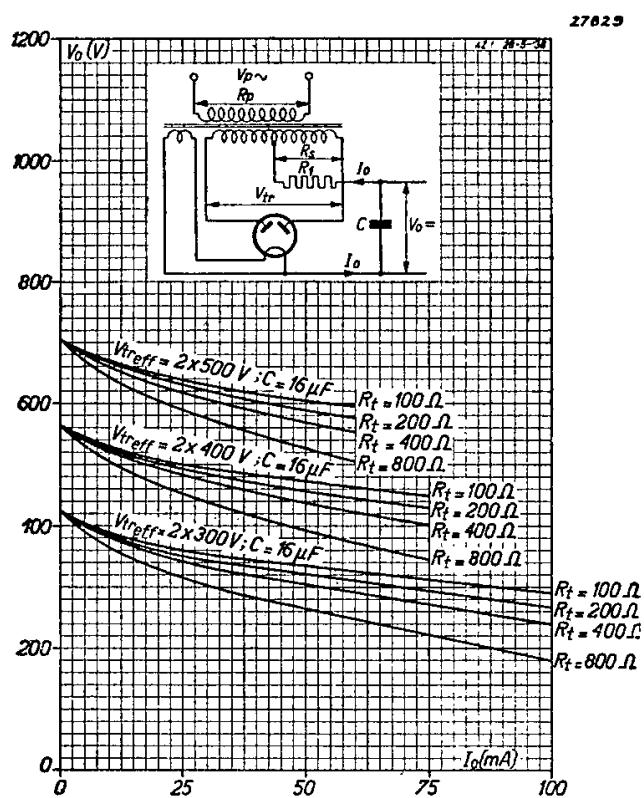


Fig. 4
Loading characteristics relating to different transformer voltages, on no load, for different values of the internal resistance of the transformer ($R_t = R_s + n^2 R_p + R_i$)