TYPE V.P.20

MULLARD INDIRECTLY HEATED D.C. MAINS SCREENED PENTODE

OPERATING DATA.

Heater Current	... ...	0·18 A.
Heater Voltage	... ...	20·0 V.
Max. Anode Voltage	...	200 V.
Max. Auxiliary Grid Voltage		100 V.

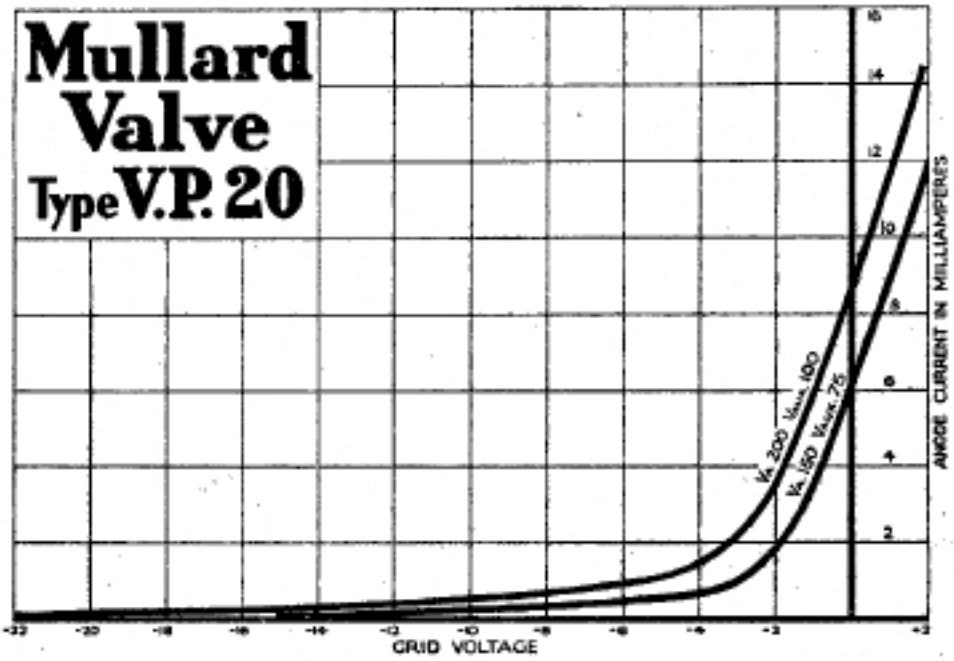
CHARACTERISTICS.

(1) At Anode volts 200; Auxiliary Grid volts 100; Control Grid volts Zero.
Mutual Conductance ... 2·9 mA./V.
(2) At Anode volts 200; Auxiliary Grid volts 100; Control Grid volts —1·5.
Mutual Conductance ... 2·5 mA./V.

APPLICATION.

As high frequency amplifier in D.C. mains receivers employing variable bias volume control. By making provision for varying the grid bias the valve may be operated at maximum sensitivity when weak signals are being received and at lower sensitivity on strong signals.

This valve is supplied with metalised bulb only.



GRID BIAS AND AUXILIARY GRID VOLTAGE.

The net-work shown in Fig. 2 on page 55 of the Technical Appendix is recommended for self biassing and for obtaining the correct screen voltage for the V.P.20. The values of the various resistors are given in the table below:

Resistance No.	Resistance in ohms	
	For 1 Valve	For 2 Valves
R. 1	14,500	7,000
R. 2	20,000	10,000
R. 3	6,000	3,000
R. 4	200	200 (each valve)
R. 5	—	600 to 1,000 (each valve)

PRICE 17/6

Mullard
THE·MASTER·VALVE