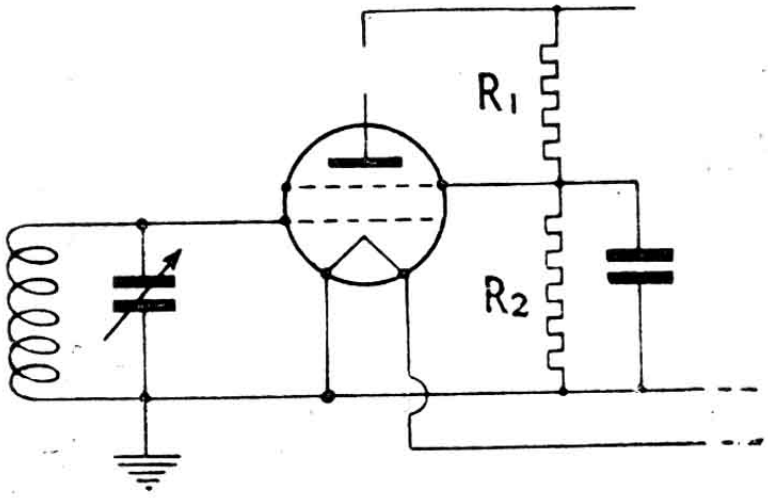
TYPE P.M.12A

APPLICATION.

As high frequency amplifier in all battery-operated receivers employing screened grid stages. The P.M.12A has been specially designed to give the maximum possible stage gain when operated at an anode voltage of 100V. in portable receivers. Still higher efficiency is obtained when the P.M.12A is operated at an anode voltage of 150 in conjunction with well-designed coils, the high amplification factor and low inter-electrode capacity permitting very high stage gains to be achieved.

This valve is supplied with either clear or metallised bulb.



SCREEN VOLTAGE.

If the screen voltage is not obtained from a separate tapping on the H.T. battery, it is advisable to use a potentiometer of 150,000 to 200,000 ohms. A fixed tapping potentiometer can be made with two spaghetti resistances arranged as shown in the diagram. Suitable values are given in the following table :—

Anode Voltage.	R1. (Ohms).	R2. (Ohms).
100	25,000	80,000
150	45,000	100,000

Where economy of H.T. consumption is an important consideration, a series resistance of 150,000 ohms may be used instead of the potentiometer.

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