

# TYPE P.M.24M MULLARD DIRECTLY HEATED A. C. MAINS PENTODE

## OPERATING DATA.

Filament Voltage ...	4.0 V.
Filament Current ...	1.0 A.
Max. Anode Voltage ...	250 V.
Auxiliary Grid Voltage ...	250 V.
Auxiliary Grid Current ...	7.0 mA.
Optimum Load ...	8,000 ohms.

## CHARACTERISTICS.

(At Anode volts 100; Auxiliary Grid volts 100; Grid volts Zero.)

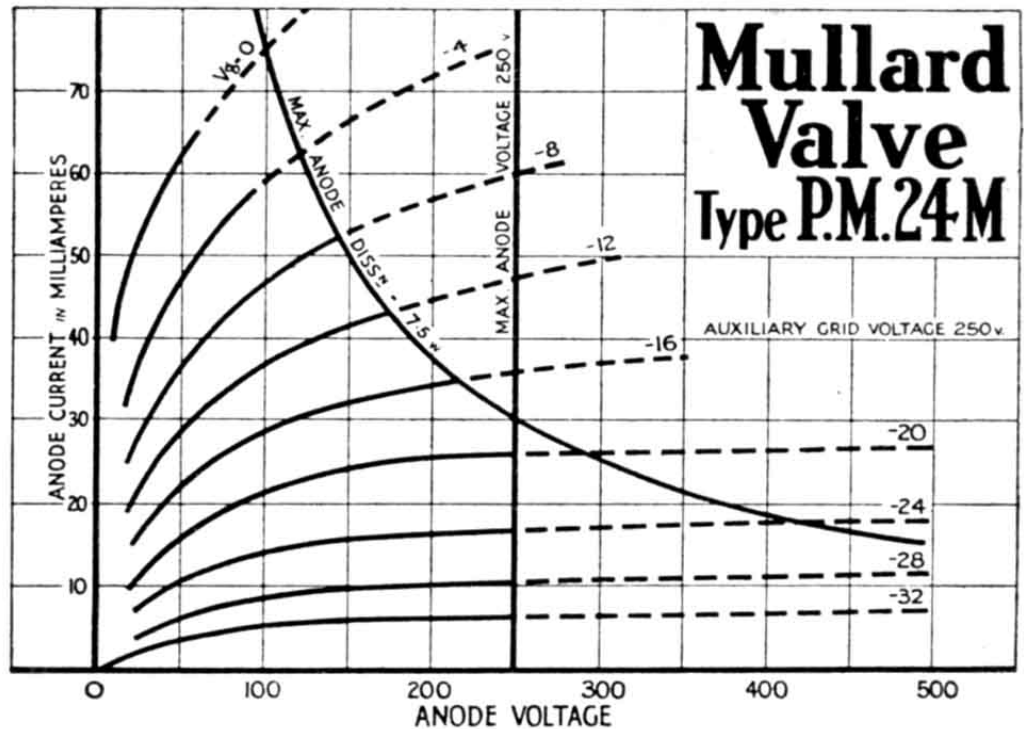
Mutual Conductance ... 3.0 mA./V.

## APPLICATION.

**As output valve** in A.C. mains receivers and amplifiers where sufficient output is required to operate a large moving iron or moving coil speaker and maximum gain is required from the output stage. By reason of its high effective amplification factor, the P.M.24M will develop very large output power with a comparatively small grid excitation voltage, and may therefore be used in receivers having no other low frequency stage.

## GRID BIAS.

Grid bias should be applied in accordance with the following table:—



Auxiliary Grid Voltage	Approx. Neg. Grid Bias Voltage	Approx. Anode Current (mA.)
150	9.0	20.0
200	12.0	30.0
250	18.0	30.0

Grid bias may be obtained automatically by the arrangement shown in diagram 4 on page 56. The value of the biasing resistance for anode volts 250 is 500 ohms. It is recommended that a fixed resistor of 250 ohms and a variable resistor of 500 ohms be used in series, thus providing a margin for adjustment.

**PRICE 18/6**



# Mullard

**THE MASTER VALVE**

