

# MULLARD PENTODE OUTPUT VALVE

# TYPE P.M.22

### OPERATING DATA.

Filament Voltage ... 2.0 V.  
 Filament Current ... 0.3 A.  
 Max. Anode Voltage ... 150 V.  
 Max. Auxiliary Grid Voltage 150 V.  
 Approx. Aux. Grid Current  
 (at 150V.) ... 4.0 mA.  
 Optimum Load ... 8,000 ohms.

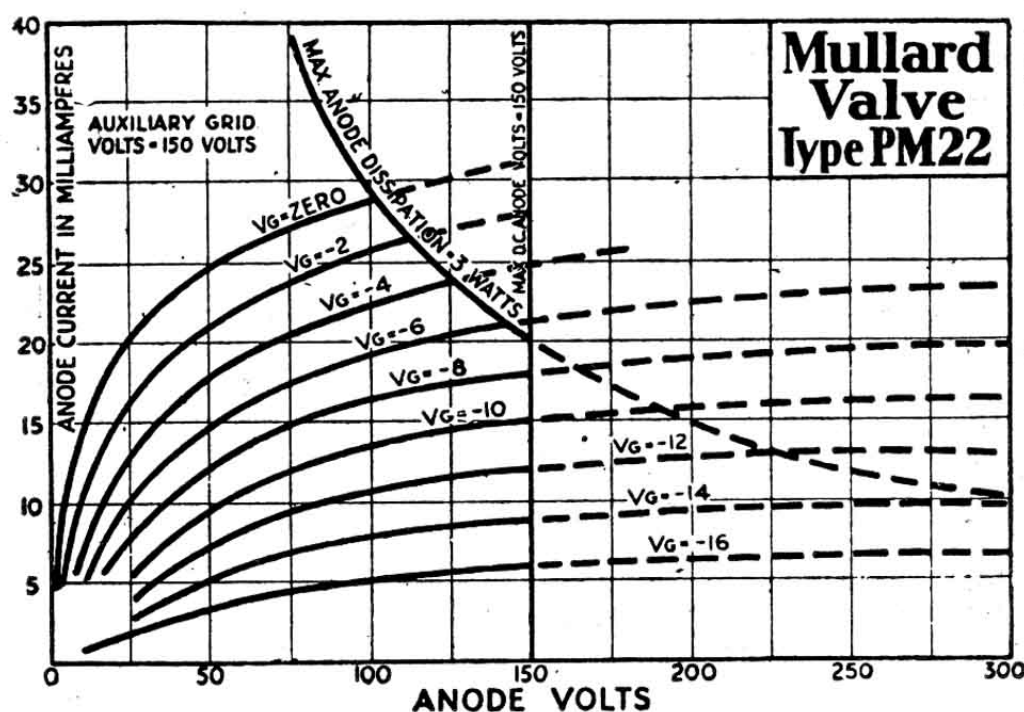
### CHARACTERISTICS.

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

Mutual Conductance ... 1.3 mA./V.

### APPLICATION.

**As output valve** in all battery-operated receivers. Owing to its pentode characteristics, the P.M.22 will give a very large output from a comparatively small grid input voltage, and may therefore be used as the output valve in receivers having no other L.F. stage. If a previous L.F. stage is employed it is advisable to fit a volume control in order to avoid overloading the P.M.22 when strong signals are being received. Two P.M.22 Valves can be operated satisfactorily in quiescent push-pull circuits without being specially selected for "matched" pairs.



### GRID BIAS.

Grid bias should be applied to the P.M.22 in accordance with the following table. For operation in quiescent push-pull with an anode voltage of 120V., the negative bias should be 16.5 V.

Auxiliary Grid Voltage.	Approx. Neg. Grid Bias Voltage.	Approx. Anode Current.
100	6.0	9.0
125	8.0	12.0
150	10.0	15.0

**PRICE 16/6**



# Mullard

**THE MASTER VALVE**

