

# H.F. PENTODE

# S.P.4

## OPERATING DATA.

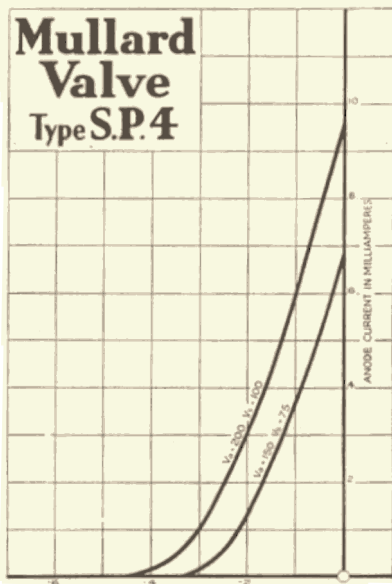
Heater Voltage	.. ..	4.0 V.
Heater Current	.. ..	1.0 A.
Max. Anode Voltage	.. ..	200 V.
Max. Auxiliary Grid Voltage	.. ..	100 V.

## BASE.

Standard 5-pin or 7-pin. For connections to 7-pin base see page 91.

## BULB FINISH.

Type S.P.4 is supplied with either clear or metallised bulb.



## CHARACTERISTICS.

- (1) At Anode Volts 200 ; Auxiliary Grid Volts 100 ; Control Grid Volts  $-1.5$   
Amplification Factor 2,700  
Anode Impedance 900,000 ohms.  
Mutual Conductance 3.0 mA./V.
- (2) At Anode Volts 200 ; Auxiliary Grid Volts 100 ; Control Grid Volts Zero.  
Mutual Conductance 3.5 mA./V.

## APPLICATION.

- (1) As first detector in superheterodyne receivers.
- (2) As anode-bend speech detector operated under the following conditions :  
Anode voltage .. 200 V.  
Auxiliary Grid Voltage 40 V.  
Auxiliary Grid Voltage dropping resistance 2 megohms  
Cathode bias resistance 5,000 ohms.  
Anode load .. 250,000 ohms.
- (3) As leaky grid detector operated under the following conditions :  
Anode Voltage .. 200 V.  
Anode Load .. 150,000 ohms.  
Auxiliary Grid Voltage 40-60 V.
- (4) As H.F. amplifier in circuits provided with pre-H.F. volume control.

**=Mullard=**  
THE MASTER VALVE

PRICE 17/6