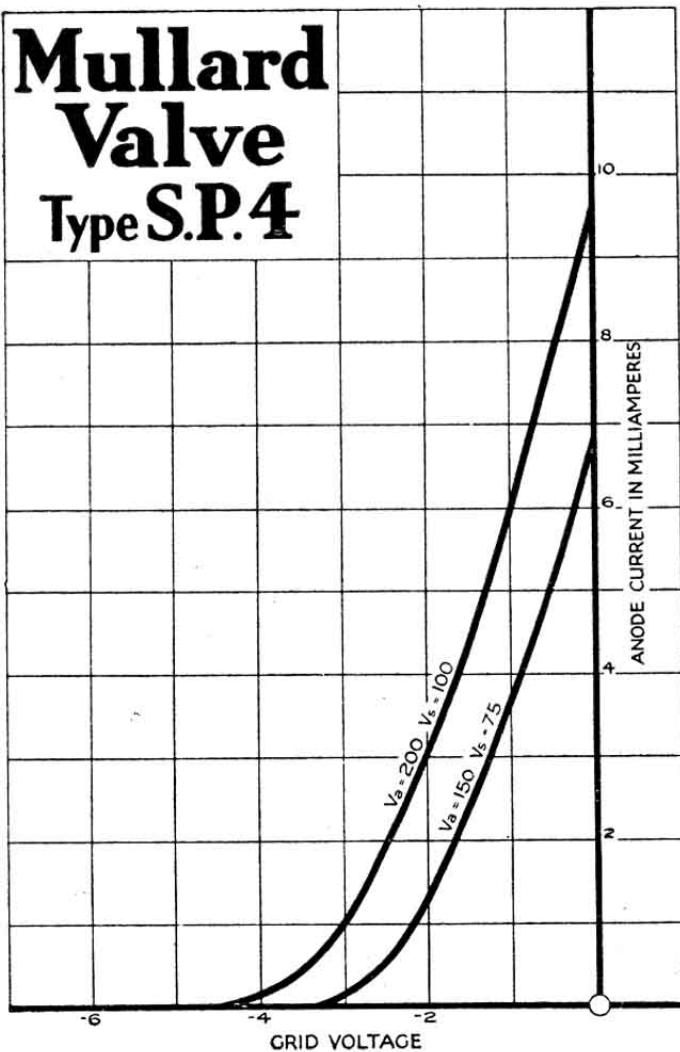


MULLARD SCREENED PENTODE

OPERATING DATA.

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



TYPE S.P.4

CHARACTERISTICS.

(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.
(At Anode volts 200; Auxiliary Grid volts 100; Control Grid volts Zero.)		
Mutual Conductance	...	3.5 mA./V.

APPLICATION.

- (1) As first detector in Super-heterodyne receivers.
- (2) As frequency changer in Super-heterodyne receivers.
- (3) As normal speech detector.

Operated on the anode bend principle, with resistance-capacity coupling, Type S.P.4 is a sensitive detector, giving a liberal speech output voltage for low grid input voltages. When thus employed, the following operating conditions are recommended:—

Anode Voltage	...	...	200 V.
Auxiliary Grid Voltage	...	...	40 V.
			(obtained by a 2 megohm dropping resistance.)

Anode Resistance	...	250,000 ohms.
Bias Resistance	...	5,000 ohms.

Type S.P.4 can be used in any A.C.

mains receiver now employing a screened grid valve as detector.

(4) As H.F. Amplifier. Although the S.P.4 is not primarily intended for use as an H.F. Amplifier it can be used with success in this position in receivers incorporating some form of input volume control.

This valve can be supplied with either clear or metallised bulb.

PRICE 17/6



Mullard

THE MASTER VALVE

