

## AC/SP 3 A.C. MAINS H.F. PENTODE

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## GENERAL.

Maximum Overall Length

Maximum Diameter

The AC/SP 3 is an indirectly heated screened H.F. Pentode for use on A.C. Mains. The valve is intended for use in short wave receivers and especially television receivers. The valve is fitted with a standard 7 pin base, the connexions to which are given overleaf.

129 mm.

39 mm.

## APPLICATION.

The AC/SP 3 is equally suitable for use in radio frequency, I.F. and video frequency stages. In the latter it will develop sufficient voltage swing to modulate an Ediswan Cathode ray tube when fed from a Mazda DI. Owing to its high working slope a very good stage gain can be obtained from the valve with normal precautions against stray capacity in the wiring of the circuit.

EDISWAN	RADIO	
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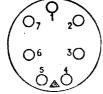
1.2.42 Sheet 14/1



For R.F. and I.F. stages the recommended screen voltage is 80—100 volts, and the value of the grid leak should be as low as possible.

Video Frequency Output Stages.—When fed from a diode with zero bias the screen voltage should not exceed 140. The quiescent anode current under these conditions will be of the order of 30 mA. For screen voltages between 160 and 200 volts the anode current should not be allowed to exceed 14 mA. In all cases the grid resistance should not exceed a few thousand ohms.

## BASING.

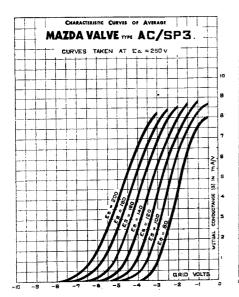


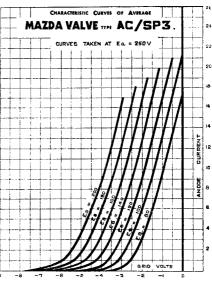
Pin No. I. Metallising.

- 2. Anode.
- 3. Suppressor Grid.
- 4. Heater.
- 5. Heater.
- 6. Cathode.
- 7. Screen.

Top Cap Control Grid.

Viewed from the free end of the base.





Masda Radio Valves are manufactured in Great Britain for the British
Thomson-Houston Co., Ltd., London and Rugby, and distributed by
THE EDISON SWAN ELECTRIC CO., LTD.
155, CHARING CROSS ROAD, LONDON, W.C.2