



AC/P4

A.C. MAINS TRIODE FOR TELEVISION SCANNING CIRCUITS

RATING.

Heater Voltage	4.0
Heater Current (Amps.)	1.0
Maximum Anode Voltage	700
*Mutual Conductance (mA/V)	7.0
*Amplification Factor	20

*Taken at $E_a=100$; $E_g=0$.

OPERATING CONDITIONS (As Push Pull Amplifier).

	Frame Frequency.		Line Frequency.	
H.T. Supply Voltage	1,100	1,200	1,100	1,200
Anode Load (ohms)	200,000		90,000	
Anode Current (mA)	2.6	2.8	5.9	6.1
Self-Bias Resistance (ohms)	11,000		4,500	5,000
Peak-Peak Volts Output (average Grade R valves)	—		1,800	2,000

INTER-ELECTRODE CAPACITIES.

*Anode to Earth	4.4 $\mu\mu\text{F}$.
*Grid to Earth	8.4 $\mu\mu\text{F}$.
Anode to Grid	5.7 $\mu\mu\text{F}$.

* "Earth" denotes the remaining earthy potential electrodes and metalising joined to cathode.

DIMENSIONS.

Maximum Overall Length	130 mm.
Maximum Diameter	39 mm.

GENERAL.

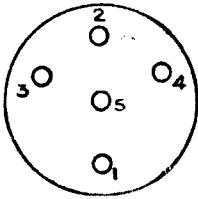
The AC/P4 has been designed for use in the output stages of a scanning circuit for use with electrostatically deflected cathode ray tubes. The valves are graded to facilitate adjustment of the paraphase tapping, the curve shown being that of an average valve. The valve is fitted with a standard 5-pin base, the connexions to which are given overleaf.

APPLICATION.

To ensure maximum output for a given H.T. supply these valves are graded into three classes distinguished by the brand letters Q, R and S. Grade R has characteristics shown in the curve. Grade Q is on the lower limit of amplification factor and Grade S on the higher. When used in a paraphase amplifier time base, the lower limit should be used in the first stage.

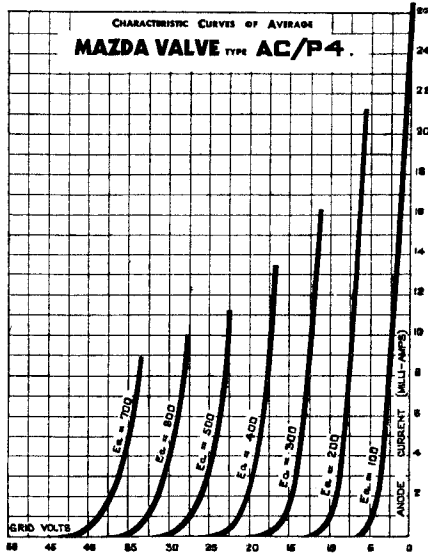


BASING.



- Pin No. 1. —
- 2. Control Grid.
- 3. Heater.
- 4. Heater.
- 5. Cathode.
- Top Cap. Anode.

Viewed from the free end of the base.



Mazda 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

