



PP.3/250 OUTPUT TRIODE

RATING.

Filament Voltage	4-0
Filament Current (Amps.)	1-0
Maximum Anode Voltage	300
*Mutual Conductance (mA/V)	6-5
*Amplification Factor	6-5
Anode A.C. Resistance (ohms)	1,000
Maximum Anode Dissipation (watts)	15

*At $E_a=100$; $E_g=0$.

TYPICAL OPERATION.

	Single.			Push Pull.	
Anode Voltage	250	250	300	250	300
Anode Current (Quiescent) (mA)	42	50	48	84	84
Grid Bias for A.C. Filament Heating	30	28-2	37	30	38-2
Self-Bias Resistance for A.C. Filament Heating (ohms)	715	565	775	357-5	455
Grid Bias for D.C. Filament Heating	28	26-2	35	28	36-2
Anode A.C. Resistance (ohms)	1,200	1,150	1,200	1,200	1,200
Mutual Conductance (mA/V)	5-0	5-4	5-4	5-0	5-0
*M.U. Power Output (watts) ..	2-65	2-75	4-2	5-6	9-0
*Optimum Anode Load (ohms)	2,750	2,200	3,000	—	—
*Optimum Anode to Anode Load (ohms)	—	—	—	4,600	5,300
*R.M.S. Input Grid Volts per valve	19-8	18-5	24-8	19-8	25-6
*Anode Current at M.U.P.O. with Fixed Bias (mA)	48-0	57-5	57-5	96	112

* For a Total Harmonic Content of 5 per cent.

DIMENSIONS.

Maximum Overall Length	140 mm.
Maximum Diameter	58 mm.

GENERAL.

The PP.3/250 is a directly heated power triode, primarily for use in the output stage of A.C. receivers, but may be used with D.C. if required. The valve is fitted with a standard 4-pin base, the connexions to which are given overleaf.

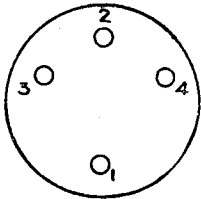
APPLICATION.

It is recommended that the bias voltage be obtained by means of a self-bias circuit, the resistance being by-passed with a large condenser. Approximately 50 mfd. is a suitable value. The grid-filament circuit resistance should not exceed 0-5 megohm with 12 watts dissipation, or 0-25 megohm with 15 watts dissipation, with each valve individually self-biased. This same resistance should not exceed 0-25 megohms with 12 watts dissipation and 0-05 megohms with 15 watts dissipation with fixed or common bias.



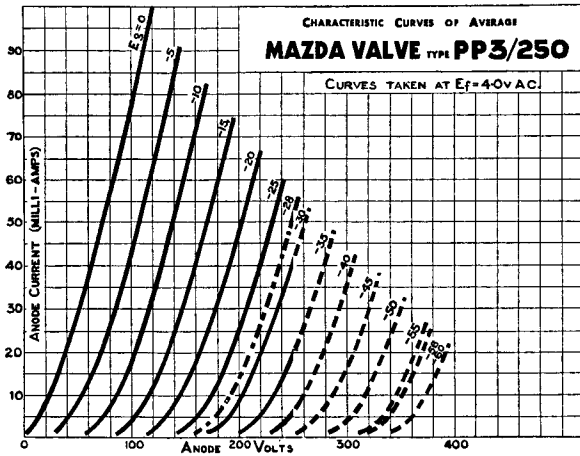


BASING.



- Pin No. 1. Anode.
- 2. Grid.
- 3. Filament.
- 4. Filament.

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

