

MAZDA

AC/P1

A.C. Mains Power Valve



RATING.

Filament volts	...	...	...	...	4.0
Filament Amps. (Approx.)	...	...	...	...	1.0
Maximum Anode Volts	...	...	...	...	200
*Mutual A.C. Conductance (mA/Volt)	...	...	...	...	3.7
*Amplification Factor...	...	...	...	...	5.4
*Anode A.C. Resistance (ohms)	...	...	...	...	1,460

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

DIMENSIONS.

Maximum overall length (including pins)	125 m.m.
Maximum diameter	58 m.m.

PRICE ~~20/-~~ 17/6

GENERAL.

The Mazda AC/P1 Valve is an indirectly-heated, 4-volt, 3-electrode valve, capable of delivering a high power output without distortion. It has been primarily designed for use in the last stage of receivers operating from alternating current electric-light mains.

The cap of this valve is provided with five pins, the centre pin being connected to the cathode.

APPLICATION.

The AC/P1 is especially suitable for operating moving-coil and power-cone speakers, and gives a large undistorted power output with only 200 volts on the anode. Also its low A.C. Resistance ensures a good bass response with power-cone speakers.



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GRID BIAS.

When used as a power amplifying valve Grid Bias must always be used and may be obtained either by the semi-automatic or the self-bias system. The table below may be used as a rough guide when selecting the bias required.

Anode Volts	100	120	150	200
Bias Volts	-15	-18	-20	-30

HEATER SUPPLY.

It is recommended that the voltage across the heater pins should be 4 volts \pm 5% under working conditions.

