

# COSSOR 220 P.T.

## 2-VOLT POWER PENTODE

The 220 P.T. has an exceptionally high value of undistorted output, and is therefore very suitable for using with a moving-coil loud speaker. Care should be taken to match correctly the speaker to the valve if the former is not specially designed for use with a pentode valve.

To obtain the full advantage of a pentode valve with the average moving-iron loud speaker a "Corrector Circuit" should be used. This circuit is very simple, consisting only of a condenser of 0.01 mfd. and resistance of 10,000 ohms, joined in series across the speaker terminals. The exact values cannot be prescribed, because they depend on the make of loud speaker; those given are reasonably satisfactory in most cases.

### TECHNICAL DATA

For Pentode Power Output.

Filament Voltage	..	..	2
Filament Current (Amps.)	..	..	2
Mutual Conductance	..	..	2.5 m.a./v.
Maximum Anode Voltage	..	..	150
Maximum Screen Voltage	..	..	150
Grid Bias for Maximum Anode and Screen Voltage	..	..	— 9 volts
Anode Current for Maximum Anode and Screen Volts with — 9 volts bias	..	..	19 m.a.
Optimum Load	..	..	7,500 ohms

