

# COSSOR 41 M.H.L.

## 4-VOLT 1 AMP. INDIRECTLY HEATED TRIODE

The 41 M.H.L. has a relatively low impedance and a very high value of mutual conductance. It is admirably suited to work in the detector position when the preceding amplification makes necessary a detector valve of rather low impedance.

As a power grid detector it will be found very sensitive, and in addition will permit of high stage gain. It is recommended that if a transformer follows this valve it should be shunt fed with 30,000 ohms and a coupling condenser of 1 mfd.

When using this valve as an anode bend detector, either resistance capacity coupling or transformer coupling may follow.

### TECHNICAL DATA

For Detector or H.F.

|  |           |
|--|-----------|
| Heater Voltage .. .. .   | 4         |
| Heater Current (Amps.) .. .. .   | 1         |
| Impedance .. .. .  | 11,500    |
| Amplification Factor .. .. .   | 52        |
| Mutual Conductance .. 4.5 m.a./v.  |           |
| Maximum Anode Voltage .. .. .  | 200       |
| *Grid Bias for 200 Anode Volts .. .. .   | -3 v.     |
| Anode Current for 200 Anode Volts with<br>-3 volts Grid Bias (Average) .. .. . | 4 m.a.    |
| Normal Working Anode Voltage .. .. .   | 150       |
| Bias Resistance .. .. .  | 750 ohms. |

\* Grid Bias when used as L.F. amplifier.

