

# COSSOR 220 V.S.G.

## 2-VOLT VARIABLE MU S.G.

This is a variable-mu screened grid valve, and was the first of its type to be introduced by Cossor. It differs from the 220 V.S. in that its grid base is considerably longer. Where an 18 volt grid battery can be fitted to a set, variable bias on the grid of this valve gives a very efficient and gradual form of manual volume control.

In a multi-stage receiver, the form of its variable-mu characteristic is such as to reduce cross modulation very considerably owing to the lack of any abrupt changes in its slope.

The inter-electrode capacity is the same as that of the 215 S.G. and 220 S.G., viz. .001 micro-microfarads. A very high stage gain is obtained which will, of course, be decreased as bias is increased, thus providing the set with a perfect volume control capable of enormous variation.

### TECHNICAL DATA

For Super H.F. Amplification.

Filament Voltage	2
Filament Current (Amps.)	.2
Impedance (ohms)	110,000
Mutual Conductance	1.5 m.a./v.
Maximum Anode Voltage	150
Grid Bias Variable (for 1 stage)	0—9 v.
Grid Bias Variable (for 2 stages)	0—15 v.
Anode Current ( $V_a = 150$ ) and —1.5 volt Grid Bias (average)	2.6 m.a.
Normal Working Anode Voltage	120
Positive Voltage on Screen Grid	60-80

