

# COSSOR M.S.G./L.A.

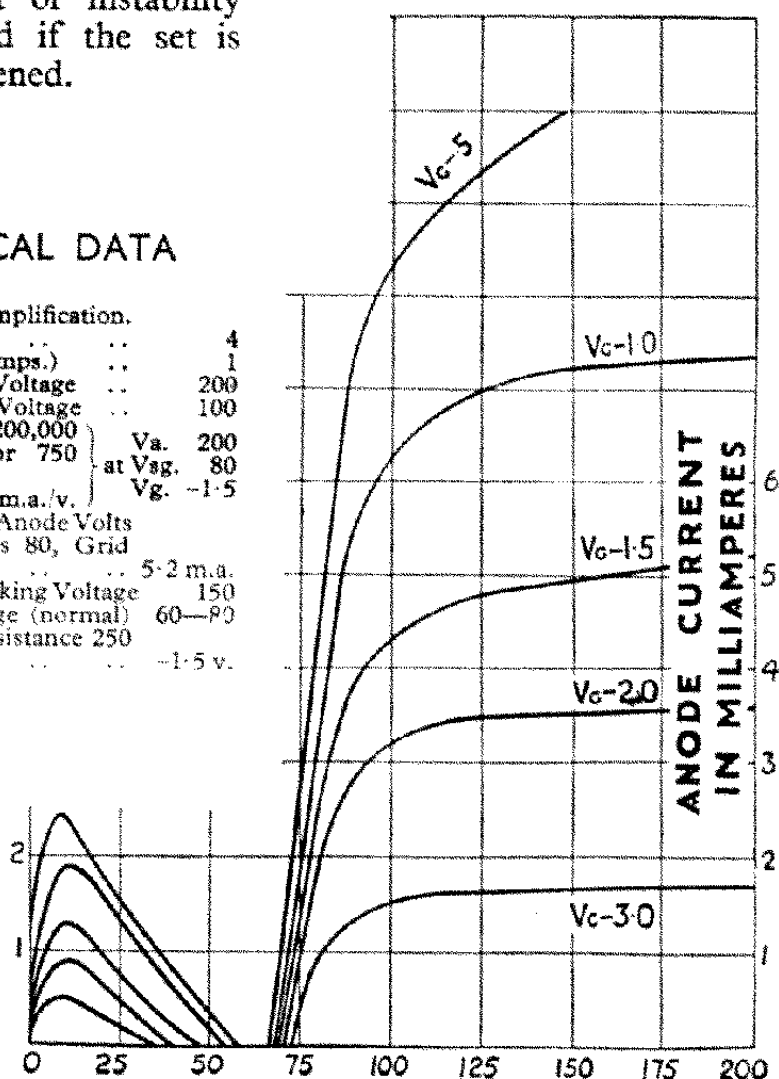
## 4-VOLT 1 AMP. INDIRECTLY HEATED SCREENED GRID

This valve has a considerably lower amplification factor than the M.S.G./H.A., but has a very high value of mutual conductance for such a valve. Its gain, therefore, will be even larger than the M.S.G./H.A. if the correct coupling is used. Here again, the valve is not suited for the amplification of large signals.

The M.S.G./L.A. permits considerable scope and latitude in design, as for both maximum stage gain and selectivity a step-up ratio of several times is desirable in the coupling. The inter-electrode capacity is very low, of the order of .001 micro-microfarads, which with the step-up coupling makes it impossible for the point of instability to be reached if the set is correctly screened.

### TECHNICAL DATA

For Super H.F. Amplification.		
Heater Voltage	..	4
Heater Current (Amps.)	..	1
Maximum Anode Voltage	..	200
Maximum Screen Voltage	..	100
Impedance	.. 200,000	} $V_a$ 200 at $V_{sg}$ 80 $V_g$ -1.5
Amplification Factor	750	
Mutual Con-		
ductance	3.75 m.a./v.	
Anode Current for Anode Volts		
150, Screen volts 80, Grid		
Bias -1.5	..	5.2 m.a.
Normal Anode Working Voltage	150	
Screen Grid Voltage (normal)	60—80	
Grid Bias (Bias Resistance 250		
ohms)		-1.5 v.



COSSOR M.S.G.-L.A. Anode Volts