

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

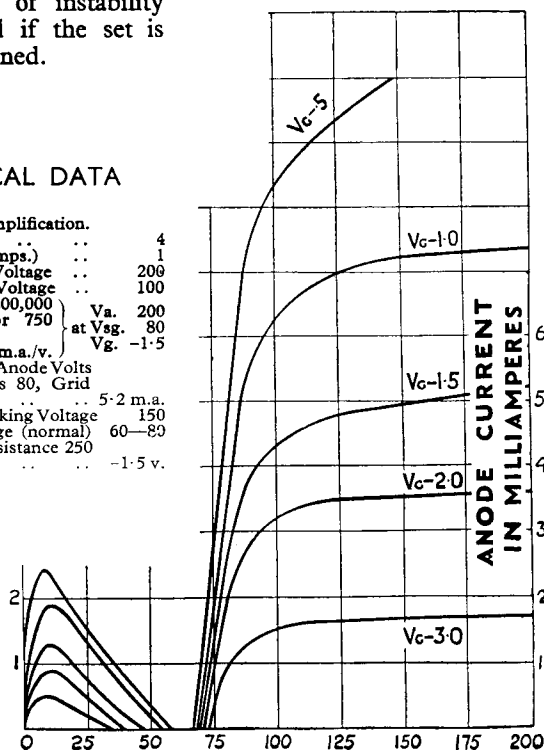
4-VOLT 1 AMP. INDIRECTLY HEATED SCREENED GRID

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 ..	209
Maximum Screen Voltage ..	100
Impedance .. 200,000	} at Vg. 80
Amplification Factor 750	
Mutual Conductance 3.75 m.a./v.	} Vg. -1.5
Anode Current for Anode Volts 150, Screen volts 80, Grid Bias -1.5	
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