

COSSOR M.S.G./H.A.

4-VOLT 1 AMP. INDIRECTLY HEATED SCREENED GRID

This valve is a screened grid valve having a high amplification factor. It has been very largely used as an H.F. amplifier, and is well suited for this purpose providing that the signal to be amplified is small.

The inter-electrode capacity is the same as that of the battery valve, which is of the order of .001 micro-microfarads, which permits the valve when used in conjunction with suitable coils to develop a high stage gain, stability being perfectly maintained. For maximum stage gain this valve should be used with a coupling having the equivalent to a ratio of 1 : 1, which may take the form of a tuned transformer of this ratio, or alternatively untapped tuned grid or untapped tuned anode coupling.

TECHNICAL DATA

For Super H.F. Amplification.

Heater Voltage
Heater Current (Amps.)	..	1
Maximum Anode Voltage	..	200
Maximum Screen Voltage	..	100
Impedance	..	500,000
Amplification Factor	1000	} V_a 200 at V_{sg} 80 V_g -1.5
Mutual Conductance	..	.a./v.

Anode Current for Anode Volts	
150, Screen Volts 80, Grid	
Bias -1.5 2.1 m.a.
Normal Working Anode Voltage	150
Screen Grid Voltage (normal)	60-80
Grid Bias (Bias Resistance 600 ohms)	.. -1.5 v.

