

# COSSOR 41 M.P.G.

## 4-VOLT 1 AMP. INDIRECTLY HEATED PENTAGRID FREQUENCY CHANGER

The Cossor 41 M.P.G. is a variable-mu pentagrid valve, and is intended for frequency changing in a superheterodyne receiver, in which position it takes the place of the first detector and oscillator. The valve derives its nomenclature from the fact that it has five grids in addition to anode, cathode and heater.

Up to the introduction of this valve the problem of single valve frequency changing had been solved with only partial success, but the Cossor Pentagrid provides a complete and efficient solution devoid of the drawbacks of previous methods. The Cossor Pentagrid is distinguished by its high conversion conductance and inherent freedom from oscillator harmonics, two factors of vital importance in the design of the modern Superheterodyne Receiver.

### TECHNICAL DATA

Heater Voltage	..	..	..	..	..	..	..	4
Heater Current (Amps.)	..	..	..	..	..	..	..	1
Mod. Anode Voltage (Max.)	..	..	..	..	..	..	..	250
Mod. Screen Voltage (Max.)	..	..	..	..	..	..	..	100
Mod. Grid Voltage (Under recommended working conditions)	..	..	..	..	..	..	..	- 1.5 to - 10
Osc. Anode Voltage (Max.)	..	..	..	..	..	..	..	100

