

# COSSOR 210 P.G.

## 2-VOLT PENTAGRID

The Cossor 210 P.G. is a 2-volt battery variable-mu pentagrid valve requiring only .1 amp. for filament heating. The valve consists of five grids in addition to the usual filament and anode. It is designed for use as a frequency changer in a superheterodyne receiver.

It provides a very convenient solution to the problem of frequency changing in battery sets. No external coupling is necessary for injecting the oscillator input into the detector circuit and, in addition, the valve can be controlled in an automatic volume control receiver. The filament and anode current consumptions have been kept as low as possible, but in spite of this, the conversion conductance of the valve is of a high order, so that the 210 P.G. is exceptionally efficient.

The valve's inherent freedom from oscillator harmonics gives freedom from the whistles which occur at certain tuning points, unavoidable with certain other frequency changing systems without extremely selective aerial tuning.

### TECHNICAL DATA

|                              |    |    |    |    |     |
|------------------------------|----|----|----|----|-----|
| Filament Volts               | .. | .. | .. | .. | 2   |
| Filament Current (Amps.)     | .. | .. | .. | .. | .1  |
| Mod. Anode Voltage (Max.)    | .. | .. | .. | .. | 150 |
| Screen Voltage (Max.)        | .. | .. | .. | .. | 80  |
| Mod. Grid Voltage (Variable) | .. | .. | .. | .. | 0-9 |
| Osc. Anode Voltage (Max.)    | .. | .. | .. | .. | 150 |

