

COSSOR 13 P.G.A.

13-VOLT ·2 AMP. INDIRECTLY HEATED PENTAGRID FREQUENCY CHANGER

The Cossor 13 P.G.A. is an indirectly heated mains variable-mu Pentagrid valve and is one of the Cossor series with ·2 amp. heaters intended, among other uses, for series running in A.C./D.C. or D.C. receivers. It is used for frequency changing in a Superheterodyne receiver.

The Cossor Pentagrid provides what is, at the present time, the ideal single valve frequency changer, obviating the external coupling, in the two valve system, for injecting the oscillator output into the detector circuit.

The conversion conductance of the 13 P.G.A. is of such a value as to give satisfactory performance in any of the normal modern A.C./D.C. receivers. The value of this constant is not quite as high as that of the 4-volt, 1-amp. counterpart, 41 M.P.G., as the type of receiver for which the 13 P.G.A. is designed does not readily accommodate too high a value of conversion conductance. The Cossor 13 P.G.A. is distinguished by an inherent freedom from the whistles at various tuning points, that are unavoidable with certain other systems without extremely selective aerial tuning.

TECHNICAL DATA

Heater Voltage (approx.)	..	..	..	..	13
Heater Current (Amps.)	..	..	..	..	·2
Mod. Anode Voltage (Max.)	..	..	..	..	250
Mod. Screen Voltage (Max.)	..	..	..	..	100
Mod. Grid Voltage (Variable)	..	..	..	1·5 to	— 20
Osc. Anode Voltage (Max.)	..	..	..	..	200

