

OCTODE FREQUENCY CHANGER

F.C.13

OPERATING DATA.

Heater Current	0.2 A.
Heater Voltage	13.0 V.
Max. Anode Voltage	250 V.
Max. Auxiliary Grid and Screen Voltage (G3 and G5)	90 V.
Max. Oscillator Anode Voltage (G2)	90 V

CHARACTERISTICS.

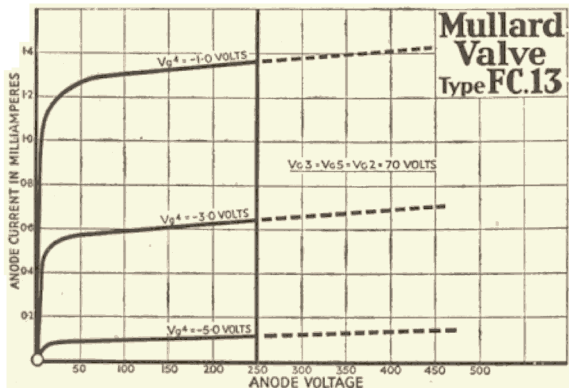
- Pentode* (at Anode Volts 200; Auxiliary Grid Volts 70; Control Grid Volts -1.5)
Anode Impedance 1.5 megohms
- Triode Oscillator* (at Oscillator Anode Volts 75; Oscillator Grid Volts -2.0).
Impedance 22,700 ohms.
Amplification Factor 25
Mutual Conductance 1.1 mA./V.

APPLICATION.

Electron-coupled frequency changer in super-heterodyne receivers. The Cathode and grids 1 and 2 are operated as a triode oscillator; grid 3 acts as a screen between the oscillator and mixer elements; and grids 4, 5 and 6 with the anode form a pentode mixer with variable- μ characteristics. A fuller explanation of the principle of the Octode frequency changer, together with recommended circuits are given on pages 93 to 96.

BASE.

"P" type Universal 8-contact base
For connections see page 92.



BULB FINISH.

This valve is supplied with metallised bulb only.

=Mullard=
THE MASTER VALVE

PRICE 20/-