

# Marconi 4v. A.C. Mains Valves

## Marconi X41

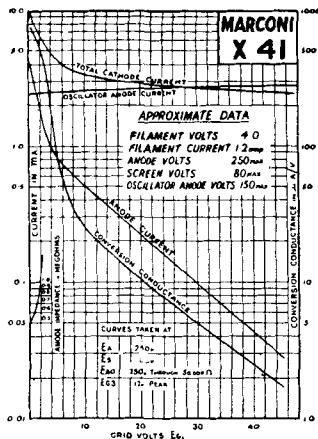
### Triode Hexode

Marconi X41 is a frequency changer suitable for all wavelengths including the Television band.

Nominal rating, see curve.

### Inter-electrode capacities (metallised valve.).

|                                |               |                                |              |
|--------------------------------|---------------|--------------------------------|--------------|
| G <sub>1</sub> —A              | 0.046 $\mu$ F | A <sub>0</sub> —E              | 8.5 $\mu$ F  |
| G <sub>1</sub> —E              | 7.0 $\mu$ F   | G <sub>0</sub> —E              | 17.0 $\mu$ F |
| A—E                            | 21.5 $\mu$ F  | G <sub>0</sub> —G <sub>1</sub> | 0.26 $\mu$ F |
| A <sub>0</sub> —G <sub>0</sub> | 3.56 $\mu$ F  |                                |              |



Dimensions : 135 × 44.5 mm. 7 pin base ; for connections see pages 4-5.

### Typical Operating Data.

|                                    |     |     |     |     |     |     |               |
|------------------------------------|-----|-----|-----|-----|-----|-----|---------------|
| Anode voltage                      | ... | ... | ... | ... | ... | ... | 250           |
| Screen voltage                     | ... | ... | ... | ... | ... | ... | 70            |
| Oscillator anode voltage           | ... | ... | ... | ... | ... | ... | 100           |
| Heterodyne voltage, L.W. operation | ... | ... | ... | ... | ... | ... | 12 volts peak |
| Heterodyne voltage, S.W. operation | ... | ... | ... | ... | ... | ... | 6 volts peak  |
| Grid bias                          | ... | ... | ... | ... | ... | ... | -1.5          |
| Bias resistance                    | ... | ... | ... | ... | ... | ... | 200 ohms      |
| Conversion impedance               | ... | ... | ... | ... | ... | ... | 1.25 megohm   |
| Total cathode current              | ... | ... | ... | ... | ... | ... | 5.4 mA        |

### Notes.

A tuned anode circuit is recommended for minimum pulling but tuned grid can be used with highly satisfactory results. The screen should be fed from a low resistance potentiometer and the oscillator anode from full H.T. through a series resistance of 50,000—100,000 ohms. The effective resistance between grid and cathode should not exceed 4.0 megohms.

Price - - 11/6

## Marconi X41c

Marconi X41c is identical with X41 in characteristics but it has a ceramic base to eliminate the last traces of frequency drift in television receivers.

Price 12/6