Marconi 4v. A.C. Mains Valves

Marconi X41

Triode Hexode

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

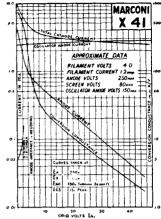
Nominal rating, see curve.

Inter-electrode capacities

(metallised valve.).

 $G_1 - A$ 0.046 $\mu\mu$ F $A_0 - E$ 8.5 $\mu\mu$ F $G_1 - E$ 7.0 $\mu\mu$ F $G_0 - E$ 17.0 $\mu\mu$ F A - E 21.5 $\mu\mu$ F $G_0 - G_1$ 0.26 $\mu\mu$ F

A₀-G₀ 3.56μμF



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

Typical Operating Data.

250 Anode voltage 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 -1.5Bias 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.

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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.

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