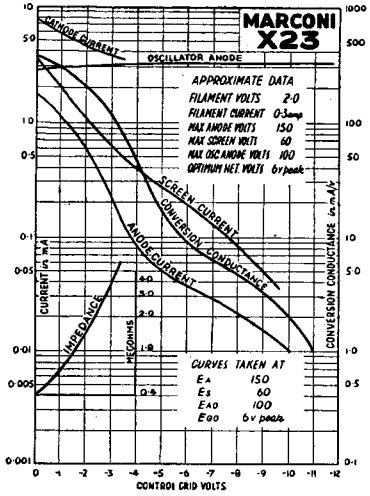

Marconi X23

2 volt Triode Hexode

Marconi X23 is a triode hexode frequency changer particularly suitable for all-wave receivers.

Its design ensures easy oscillation and lack of "pulling" at the highest frequencies.

Nominal Rating, see curve.

Inter-electrode capacities
(metallised valve).

G_1-A	0.05$\mu\mu$F	A_o-E	9.8$\mu\mu$F
G_1-E	6.3$\mu\mu$F	G_o-E	21.5$\mu\mu$F
G_1-G_o	0.5$\mu\mu$F	G_o-A_o	4.1$\mu\mu$F
A $-$E	17.5$\mu\mu$F		

Dimensions : 120 × 42 mm. 7 pin base ; for connections see pages 4-5

Typical Operating Data.

Anode voltage	150
Screen voltage	60
Oscillator anode voltage	150 through 20,000 ohms
Grid bias	−1.5
Heterodyne voltage	6 peak
Anode current	0.7 mA
Screen current	1.7 mA
Oscillator anode current	2.1 mA

Notes.

A tuned grid circuit is normally recommended. Comparatively loose coupling can be used between grid and anode circuits since the triode has adequate slope. If the screen is fed through a series resistance from maximum H.T. instead of from a tap on the battery, the grid base is greatly extended. A method which retains a reasonably short grid base is to feed the screen through 20,000 ohms from the oscillator anode this being fed from maximum H.T. through a further 20,000 ohms.

Price - - 10/6