

**MARCONI  
Z21**

# Marconi Z21

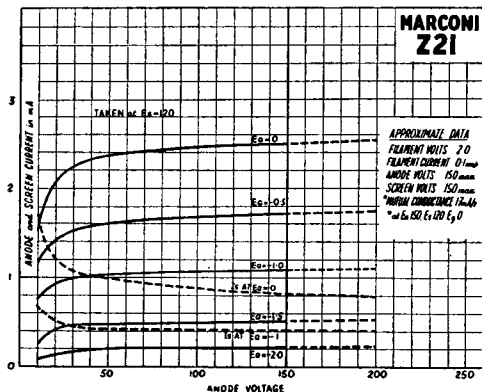
2 volt H.F. Pentode

Marconi Z21 is a screened pentode for use where a variable mu characteristic is not required. In particular it makes a sensitive grid detector

**Nominal Rating, see curve.**

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

A—G	0.005 $\mu\mu$ F
A—E	6.5 $\mu\mu$ F
G—E	10.0 $\mu\mu$ F



**Dimensions :** 125 × 41 mm. 4 or 7 pin base ; for connections see pages 4-5.

## Typical Operating Data.

*As leaky grid detector.*

H.T. voltage	...	120	120	150	150
Anode load	...	50,000 ohms	0.25 megohm	50,000 ohms	0.25 megohm
Screen resistance	...	50,000 ohms	1.0 megohm	100,000 ohms	1.0 megohm
Anode current	...	1.5 mA	0.3 mA	1.7 mA	0.4 mA
Screen current	...	0.6 mA	0.1 mA	0.6 mA	0.12 mA
Anode voltage	...	45	45	65	50
Screen voltage	...	90	20	90	30

## Notes.

When used as a detector the grid leak should be returned to filament positive and the screen should be decoupled with 0.5 $\mu$ F.

Other uses for the valve are as L.F. amplifier, as oscillator and as H.F. amplifier. In the last mentioned use bias control of gain may be obtained if the screen is fed through a series resistance of 50,000 ohms from maximum H.T.

Price

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9/-