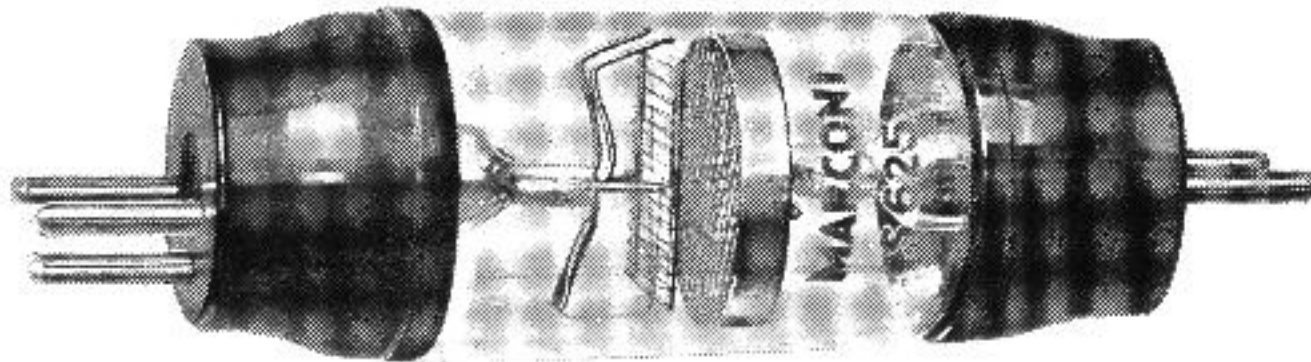


MARCONI VALVES

MARCONI VALVES

for use with 6-volt Accumulator

TYPE S 625
SHIELDED VALVE



*Approximate Overall Dimensions,
125 x 32 m/m.*

HIGH FREQUENCY AMPLIFYING VALVE

It is well known that one of the greatest difficulties confronting the designer of a high frequency amplifier is the problem of overcoming reaction effects due to the capacity between grid and anode of the valve employed.

Marconi Valve S. 625 attacks the problem in a fundamental manner, by overcoming the inter-electrode capacity effect within the valve itself, and thus making neutralization unnecessary.

A fine mesh grid is interposed between the grid, which is of the standard Marconi type, and the anode—a flat circular plate with dished edges. The grid and filament are supported from one end of the glass tube and are there connected to a cap; the anode and screening grid are mounted in a similar manner at the other end of the tube, thus the capacity between the leading-in wires to the

anode and grid and filament is reduced to zero.

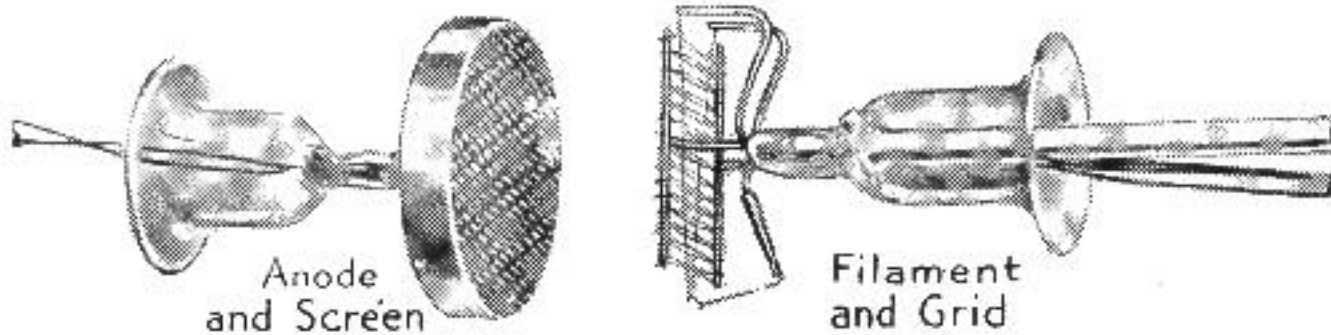
In this way Marconi Type S 625 brings within reach an amplification of 30-50 per stage with absolute stability and maximum efficiency over a very wide range of wave-lengths, and is an important step towards reliable long distance reception.

Fil. volts	...	...	...	6.0
Fil. current	...	...	...	0.25
Anode volts	...	...	100-180	max.

The magnification factor and impedance vary between wide limits with variation of volts on the electrodes.

Screen Grid Volts	...	50-120	max.
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Price, 22/6



Electrodes of the Marconi Shielded Valve

The valve in the purple box