

Osram Valves

Made in England.



TYPE VP21

“ VARIABLE MU ” SCREEN PENTODE AMPLIFYING AND DETECTOR VALVE

(For use with a 2-volt Accumulator).

The OSRAM VP21 is a 2-volt Pentode primarily suitable for operation as a Detector by virtue of its non-microphonic properties and screen-pentode characteristic.

The VP21 is also suitable for use in an Intermediate frequency Amplifier of a superheterodyne receiver, and as such the “variable mu” characteristic enables volume control to be effected by means of variation to grid bias without introduction of modulation distortion.

Maximum Dimensions :

Overall length (including pins)
128 m/m.

Diameter of bulb 45 m/m.

CHARACTERISTICS

Filament Volts	2.0 max.
Filament Current	0.1 amp.

Max.

Recommended Operating Conditions.
100-150

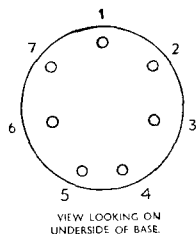
Anode Volts	150	60			
Screen Volts	60				
Grid Volts		0	-1.5	-6	-9
Anode Current average		2.8 ma	1.5 ma	0.08 ma	—
Screen Current average		0.7 ma	0.38 ma	—	—
Mutual Conductance		1.1 ma/v	0.75 ma/v	0.05 ma/v	0.008 ma/v

Interelectrode Capacities :—

Anode-Grid (others earthed)	0.023 micro-microfarad approx.
Grid—other electrodes	10.6 “ “ “
Anode—other electrodes	6.5 “ “ “

(taken on metallised valve)

For prices see
pages 126-129.

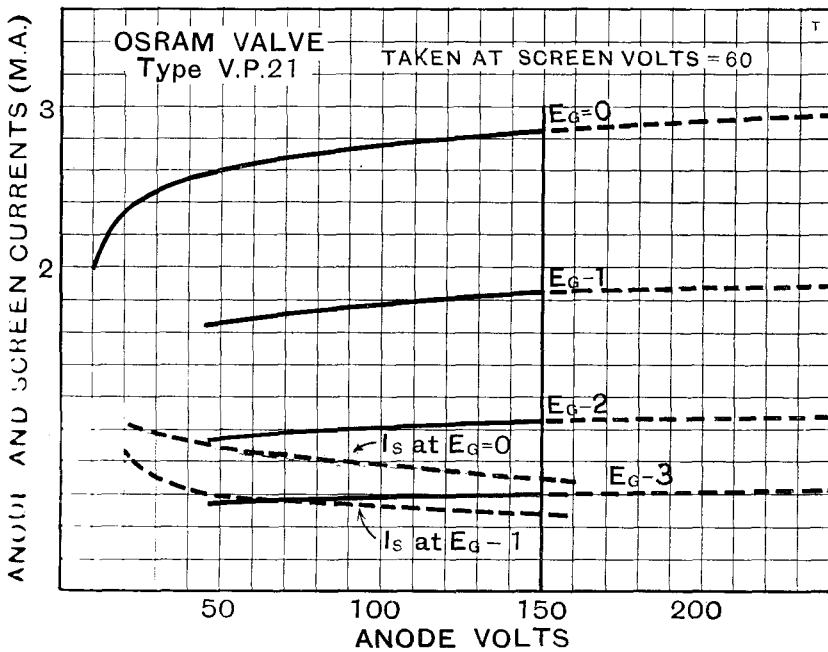
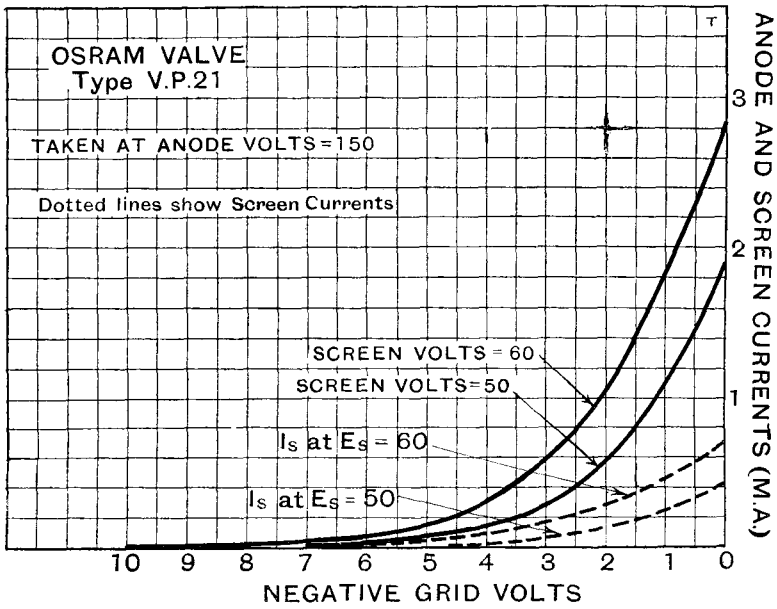


BASE, 7-PIN.

- Pin 1: Metallising.
2: Grid
3: Suppressor Grid
4: Filament
5: Filament
6: —
7: Screen Grid
Top Cap: Anode

Supplied in metallised bulb only.

TYPE VP21



CHARACTERISTIC CURVES OF AVERAGE VALVE.