

Osram Valves

Made in England.



Maximum Dimensions :
Overall length (including pins)
128 m/m.
Diameter of bulb
45 m/m.

TYPE VS24 “ VARIABLE MU ” SCREEN GRID AMPLIFYING VALVE

(For use with a 2-volt Accumulator).

The OSRAM VS24 is a 2-volt screen grid Valve with characteristics primarily designed to promote easy control of volume in a High Frequency or I.F. Amplifying Circuit by variation of grid bias. The variable grid bias method of volume control lends itself to the reduction of interference known as “cross modulation” so enabling the effective selectivity of the receiver to be increased.

The particular characteristics of the OSRAM VS24 are as follow :

- (1) A high value of maximum mutual conductance giving sensitivity.
- (2) A high value of mutual conductance—grid volt ratio giving effective volume control by means of a grid bias battery not exceeding 9 volts.
- (3) Linearity of control by variation to grid bias minimising the percentage of modulation distortion.
- (4) Non-microphonic performance due to a special form of anchored and bonded electrode assembly.

CHARACTERISTICS.

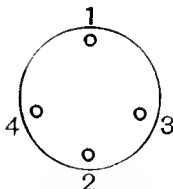
Filament Volts	2.0 max.
Filament Current	0.15 amp.
Anode Volts	150 max.
Screen Volts	75 max.

At Anode Volts 120—150
Screen Volts 75

Grid Volts	0	-1.5	-6	-9
Anode Current average	4.3 m.a.	2.2 m.a.	0.1 m.a.	—
Screen Current average	0.2 m.a.	0.05 m.a.	—	—
Mutual Conductance	1.5 ma/volt	..	..	0.016ma/volt

Interelectrode Capacities :—

Anode-Grid (others earthed)	0.0032 micro-microfarad approx.
Grid—other electrodes	9.2
Anode—other electrodes	8.7



View looking on
underside of base

BASE, 4-PIN.

- Pin 1: Screen
2: Grid
3: Filament and Metallising
4: Filament
Top Cap: Anode.

For prices see
pages 126-129.

Type VS24 is supplied with clear or metallised bulb, according to requirements.

TYPE VS24/K

Maximum Dimensions :
Overall length (including pins) 118 m/m.
Diameter of bulb 36 m/m.
For prices see
pages 126-129.

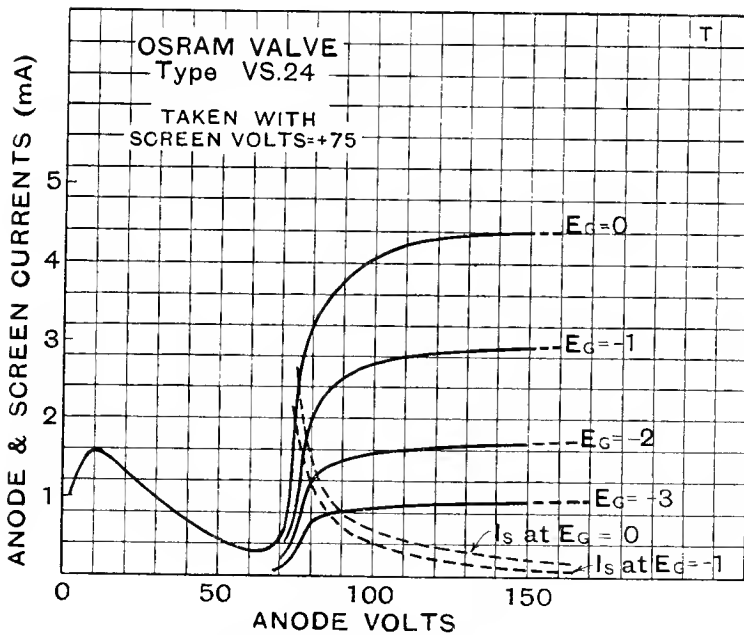
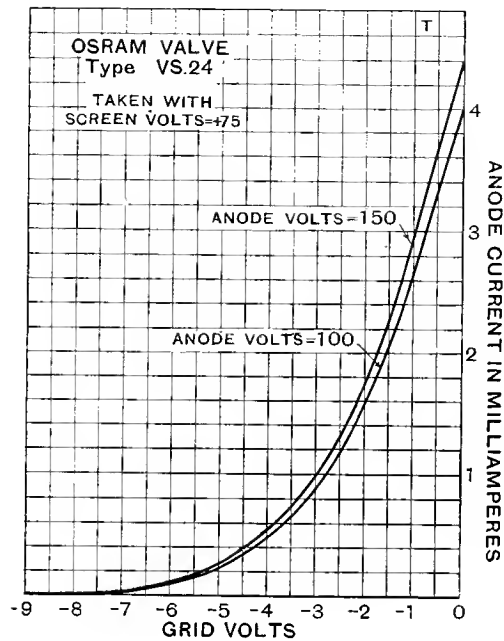
The OSRAM VS24/K is a “Variable Mu” Screen Grid Tetrode for use in 2-volt Battery-operated Receivers.

The outstanding feature of the VS24/K is its very small overall dimensions. This makes for considerable economy in space when applied to the design of compact receivers.

Characteristics as type VS24.

Base and pin connections as for type VS24.

TYPE VS24 AND VS24/K



CHARACTERISTIC CURVES OF AVERAGE VALVE.