

Osram Valves

Made in England.



Maximum Dimensions :
Overall length (including pins)
128 m/m.

Diameter of bulb
45 m/m.

TYPE S23 SCREEN GRID AMPLIFYING AND DETECTOR VALVE

(For use with a 2-volt Accumulator).

The OSRAM S23 is a 2-volt screen grid valve designed with characteristics suitable to stable and efficient H.F. amplification and to sensitive detection.

The mutual conductance of 1.1 ma/volt is such as to make the S23 type particularly suitable for sets with two stages of High Frequency which a valve of higher conductance would be difficult to control.

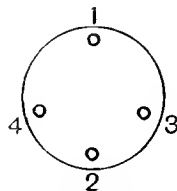
The particular characteristics of the OSRAM S23 are as follow :

- (1) Low working values of anode and screen currents thus effecting an economy in H.T. current consumption.
- (2) Non-microphonic performance due to a special form of anchored and bonded electrode assembly.
- (3) Silent background due to high electrode insulation.
- (4) Small overall dimensions.

CHARACTERISTICS.

Filament Volts	2.0 max.	
Filament Current	0.1 amp.	
	Max.	
Anode Volts	150	120
Screen Volts	70	70
Grid Volts	0 to -1.5	0 to -1.5
(for operation in amplifier)		
Anode Current average ..	2.8-1.4 m.a.	2.7-1.3 m.a.
Screen Current average ..	0.7-0.4 m.a.	0.8-0.5 m.a.
Mutual Conductance	1.1 ma/volt	
	(at Anode Volts 150	Screen Volts 70 Grid Volts 0)
Interelectrode Capacities :-		
Anode—Grid (others earthed)	0.0029	micro-microfarad approx.
Grid—other electrodes	8.25	" " "
Anode—other electrodes	9.0	" " "

For prices see
pages 126-129.



View looking on
underside of base

BASE, 4-PIN.

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

Type S23 is supplied with clear or metallised bulb, according to requirements.

TYPE S24

Maximum Dimensions :
Overall length (including pins)
130 m/m.

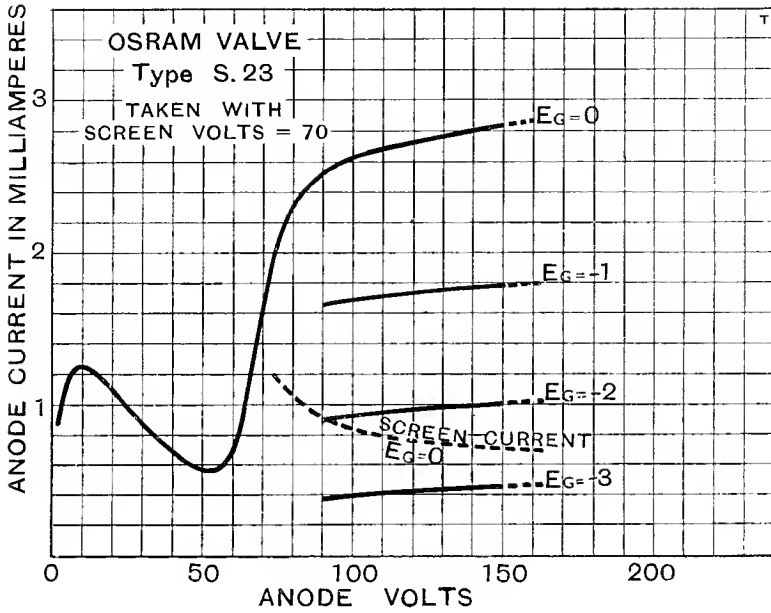
Diameter of bulb 45 m/m.

For prices see
pages 126-129.

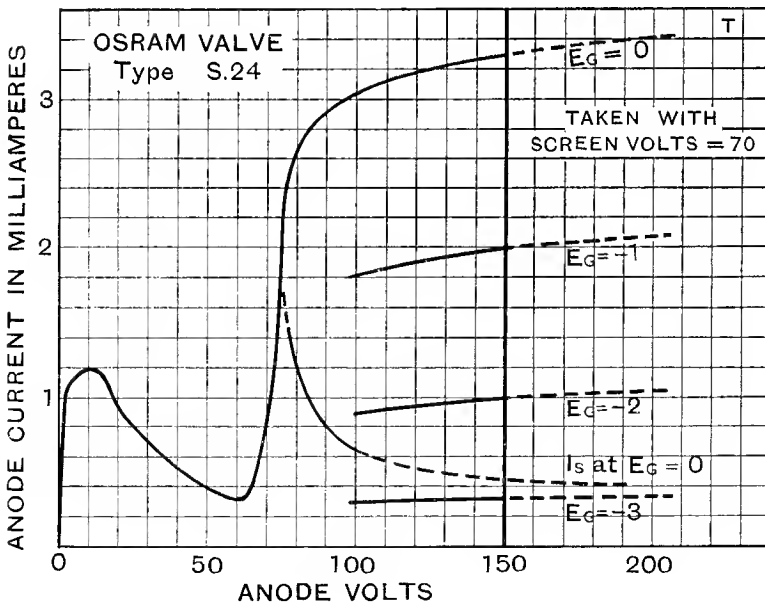
The OSRAM S24 is a 2-volt screen grid High Frequency Amplifying Valve with a high value of mutual conductance, or slope. This, combined with a low value of grid-anode leakage capacity makes the valve particularly suitable for 2-volt battery sets in which a considerable magnification is required per stage.

Pin connections as for Type S23.

TYPE S23



TYPE S24



CHARACTERISTIC CURVES OF AVERAGE VALVES