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

Diameter of bulb
51 m/m.

Osram Valves

Made in England.

TYPE N30/G

UNIVERSAL RANGE OUTPUT PENTODE
(With Indirectly Heated Cathode).

The N30/G is a Power Amplifying Pentode for series or parallel running, such as in receivers intended for use on either A.C. or D.C. supply, or from 12-volt car batteries.

The heater is intended :—

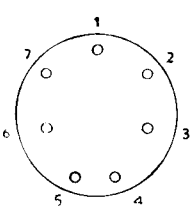
(1) For series running with other valves in the receiver so that use can be made of the full supply voltage through a suitable limiting resistance.

or (2) For parallel running with other valves in this range in car radio or A.C. mains sets.

CHARACTERISTICS.

Heater Current	0.3 amp.	
Heater Volts	13.0	
	Max.	
Anode Volts	250	180
Screen Volts	250	180
Grid Volts	–15	–8
Anode Current average	32 ma.	30 m.a.
Screen Current average	8 ma.	6 m.a.
Anode Dissipation	8 watts	5.4 watts
Mutual Conductance	3.9 ma/volt	
Automatic Bias Resistance	375 ohms.	220 ohms.
Optimum Load Resistance	7,500 ohms.	4,500 ohms.

For prices see pages 126-129.



View looking on underside of base.

BASE, 7-PIN.

1 : –
2 : Grid
3 : Screen Grid
4 : Heater
5 : Heater
6 : Cathode
7 : Anode

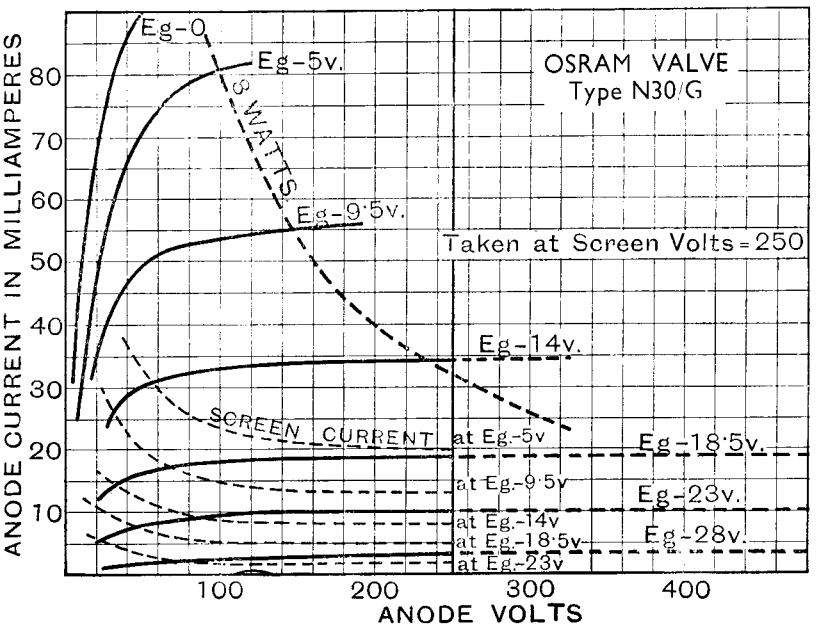
Type N30/G has a carbonised bulb.

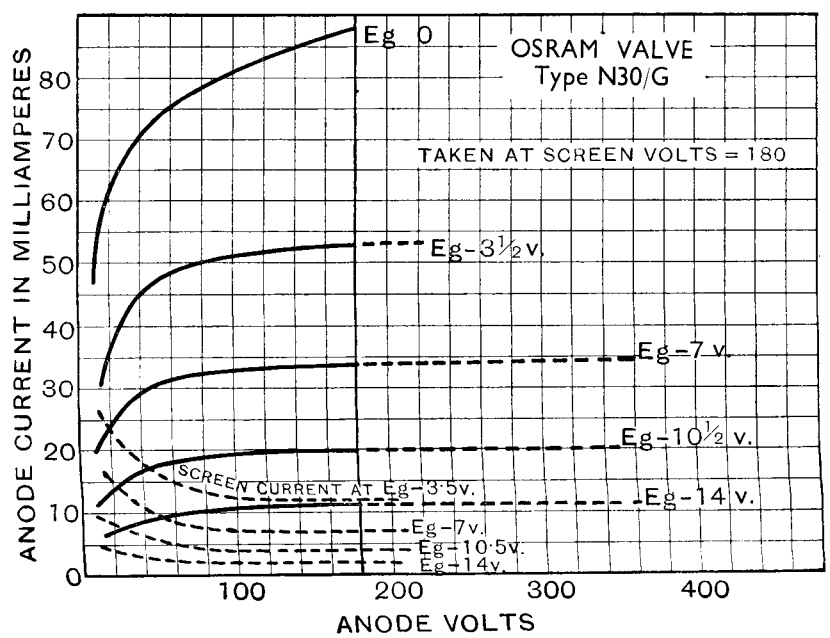
TYPICAL OPERATING CONDITIONS.

Type N30/G is so designed that, while greatest undistorted output is obtained at the maximum anode and screen voltages of 250, adequate power is available at operating voltages of the order of 160—180 volts, as would normally be the case when used in a D.C.—A.C. receiver.

A grid stopping resistance is recommended, and the total grid resistance should not exceed 500,000 ohms.

TYPE N30/G





CHARACTERISTIC CURVES OF AVERAGE VALVE.