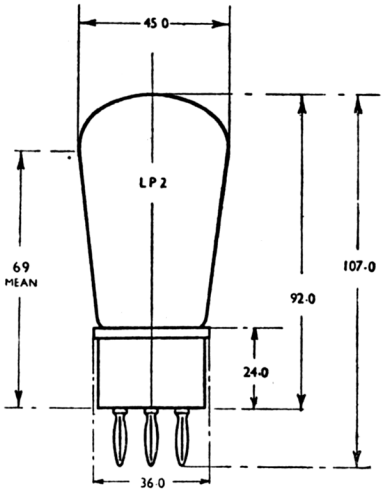
Osram Valves

Made in England



All dimensions are in m/m and are max. except where otherwise stated.

(Dimensions for type P2 similar to above.)

TYPES LP2 AND P2

LOW FREQUENCY AMPLIFYING TRIODES

(For use with 2-volt Accumulator.)

Types LP2 and P2 are Triodes with 2-volt filaments, intended for use in the L.F. or output stage of battery-operated receivers.

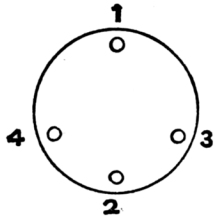
Type LP2, due to its high mutual conductance and amplification factor, is recommended where high sensitivity is desired. To effect the maximum economy of H.T. current combined with absence of distortion, the negative grid bias is critical and automatic grid bias is recommended.

Type P2, due to its lower impedance, is capable of a greater power output and is recommended in cases where considerable undistorted power is required with maximum economy in H.T. and L.T. currents.

CHARACTERISTICS.

	LP2			P2		
Filament Voltage	2.0v max.			2.0v max.		
Filament Current	0.2 amp. approx.			0.2 amp. approx.		
	max.			max.		
Anode Voltage	150	125	100	150	125	100
*Grid Bias Voltage	−4.5	−4.5	−3	−10.5	−9	−6
*Anode Current average ...	10.0	5.5	5.0	19.0	12.0	11.0 mA.
Amplification Factor (measured at Ea = 100, Eg = 0)	15			7.5		
Impedance ... ... (measured at Ea = 100, Eg = 0)	4170 ohms.			2150 ohms.		
Mutual Conductance (measured at Ea = 100, Eg = 0)	3.6 mA/Volt.			3.5 mA/Volt.		

For prices see pages 149-151



View looking on underside of base.

BASE, 4-PIN.

Pin 1 : Anode
2 : Grid
3 : Filament
4 : Filament

*When necessary to effect the greatest economy in H.T. current, such as where small dry batteries are used for high tension, the negative grid bias may slightly exceed the values given with a consequent reduction in anode current, such as :

	LP2	P2		
Anode Voltage	150	150	125	100
Grid Bias Voltage	−6	−12	−10.5	−9
Anode Current Average	5 6	14.0	9.0	5.0 mA.