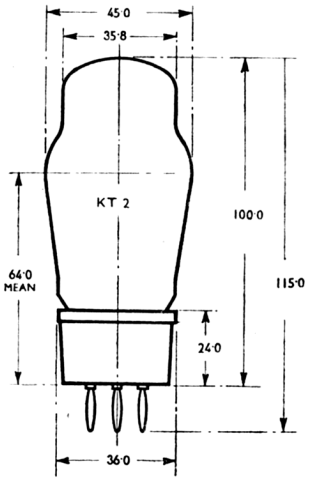


All dimensions are in m/m and are max. except where otherwise stated.

Osram Valves

Made in England

TYPE KT2

LOW FREQUENCY AMPLIFYING TETRODE

(For use with a 2-volt Accumulator).

Type KT2 is a Low Frequency Power Amplifier Tetrode designed for 2-volt battery operation.

The KT2 is also suitable for operation in the quiescent push-pull condition giving the advantage of greater power output and less distortion for about the same H.T. current consumption.

The KT2 replaces type PT2 Pentode.

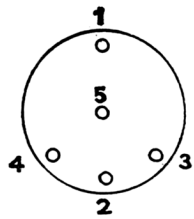
CHARACTERISTICS.

Filament Voltage	2.0 max.		
Filament Current	0.2 amp. approx.		
	Max.		
Anode Voltage	150	120	100
Screen Voltage	150	120	100
Grid Voltage	−4.5	−3	−3
Anode Current average	7.5	6.2	3.8 mA.
Screen Current average	1.7	1.3	0.8 mA.
Load Resistance (ohms)	17,000	12,000	16,000
Estimated Power Output (watts)	0.5	0.25	0.2
Mutual Conductance (measured at Ea100, Es100, Eg0)			2.5 mA./volt

Interelectrode Capacities:

Grid to Anode	1.6 micro-mfds. approx.
Anode to other Electrodes	13.1 ,, ,, ,,
Grid to other Electrodes	11.3 ,, ,, ,,

For prices see pages 149-151



View looking on underside of base.

BASE, 5-PIN.

Pin 1: Anode
2: Control Grid
3: Filament
4: Filament
5: Screen Grid

OPERATING CONDITIONS.

When using the type KT2 in a single valve output stage the conditions should be as given in the table above. The circuit should be similar to that of a pentode output stage.

To facilitate optimum operation in quiescent push-pull the KT2 is supplied in groups, each with a code letter marked on the bulb, indicating the recommended screen voltage to use with each class for a fixed bias. Operating data covering the codes are given on the following page.

The KT2 valve is not intended to operate in the grid current region of its characteristic.