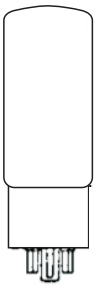
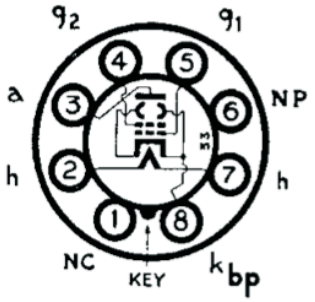
Brimar thermionic products

Current Equipment Type

6L6



TYPE **6L6G**
(OCTAL BASE)
OUTPUT
BEAM TETRODE



The BRIMAR type 6L6G is an indirectly heated beam power tetrode for use in the output stages of large audio equipment. Owing to the special construction only a small proportion of odd harmonics are produced and in push-pull connection large outputs may be obtained without distortion.

RATINGS

Heater Voltage	6.3 volts
Heater Current	0.9 amp.
Anode Voltage	360 volts max.
Anode Dissipation	19 watts max.
Screen (g_2) Voltage	270 volts max.
Screen Dissipation	2.5 watts max.

OPERATING CHARACTERISTICS

	CLASS A			CLASS AB1	
	Single Valve		Push Pull (2 valves)	Push Pull (2 valves)	
Anode Voltage	250	350	250	360	volts
Anode Current (Zero Signal)	72	54	120	88	mA
Anode Current (Max. Signal)	79	66	140	100	mA
Screen Voltage	250	250	250	270	volts
Screen Current (Zero Signal)	5.0	2.5	10	5	mA
Screen Current (Max. Signal)	7.3	7.0	16	17	mA
Control Grid (g_1) Voltage	–14	–18	–16	–22.5	volts
Cathode Bias Resistor	170	300	125	250	ohms
Anode Impedance	22,500	33,000	25,000	–	ohms
Mutual Conductance	6.0	5.2	5.5	–	mA/V
Optimum Load	2,500	4,200	5,000	9,000	ohms
Power Output	6.5	11	14	24	watts
Harmonic Distortion	10	15	2	4	per cent

OPERATION AS TRIODE (g_2 connected to Anode)
CLASS A. PUSH PULL (2 valves)

Anode Voltage	325 volts max.
Anode Current	80 mA
Cathode Bias Resistor	375 ohms
Optimum Load	8,000 ohms
Power Output	6 watts
Harmonic Distortion	0.6 per cent.

INTER-ELECTRODE CAPACITANCES

Input	11.5 pF
Output	9.5 pF
Control Grid to Anode	0.9 pF