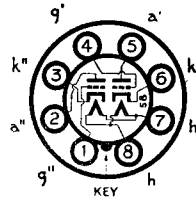


Replacement Type
TYPE 6SL7GT
 (OCTAL BASE)
 HIGH-MU
 DOUBLE TRIODE



The BRIMAR type 6SL7GT is an indirectly heated valve comprising two high-mu triodes in one envelope. With the exception of the heaters, the connections to each assembly are brought out to separate base pins. Type 6SL7GT may be used as L.F. amplifier or phase inverter and in certain cases the two units may be connected in cascade to give a very high overall gain.

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.3 amp.
Anode Voltage	...	...	...	...	...	250 volts max.
Anode Dissipation (each Anode)	...	...	...	...	...	1.0 watts max.

OPERATING CHARACTERISTICS (Each Section)

Anode Voltage	...	...	...	...	...	250 volts
Anode Current	...	...	...	...	...	2.3 mA
Control Grid Voltage	...	...	...	...	...	-2 volts
Anode Impedance	...	...	...	...	...	44,000 ohms
Mutual Conductance	...	...	...	...	...	1.6 mA/V
Amplification Factor	...	...	...	...	...	70

OPERATION AS RESISTANCE COUPLED AMPLIFIER (Each Section)

Anode Supply Voltage	...	...	...	...	100	250	volts
Anode Load Resistor	...	...	...	...	0.25	0.25	meg.
Cathode Bias Resistor	...	...	...	...	4,700	3,300	ohms
Peak Output	...	...	...	...	21	62	volts
Stage Gain	...	...	...	...	23	50	

INTER-ELECTRODE CAPACITANCES †

	Section (1)	Section (2)
Input	2.15	2.15 pF
Output	0.9	0.9 pF
Grid to Anode	3.4	3.5 pF
Anode 1 to Anode 2		1.4 pF
Grid 1 to Grid 2		0.25 pF
Grid 1 to Anode 2		0.45 pF
Grid 2 to Anode 1		0.35 pF

† With no external shield.

