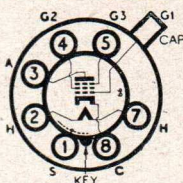


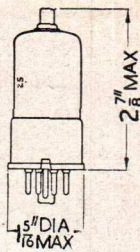


6J7G.

TYPES 6J7G, 6J7GT (OCTAL BASE)



Note.—Type 6J7GT has Pin 1 connected to metal shell.



6J7GT.

R.F. PENTODES

The BRIMAR types 6J7G, 6J7GT are indirectly heated pentode amplifier valves suitable for use in A.C., A.C./D.C. or car radio equipment. With the exception of their overall dimensions the two types are identical.

RATINGS

Heater Voltage	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	0.3 amp.
Anode Voltage	...	...	...	...	300 volts max.
Anode Dissipation	...	...	...	...	0.75 watts max.
Screen (G2) Voltage	...	...	...	...	125 volts max.
Screen Dissipation	...	...	...	...	0.1 watts max.

OPERATING CHARACTERISTICS [Suppressor Grid (G3) connected to Cathode].

Anode Voltage	...	...	...	100	250	volts
Anode Current	...	...	...	2.0	2.0	mA
Screen Voltage	...	...	...	100	100	volts
Screen Current	...	...	...	0.5	0.5	mA
Control Grid (G1) Voltage	...	...	...	-3	-3	volts
Anode Impedance	...	...	...	1.0	1.5	meg.
Mutual Conductance	...	...	...	1.1	1.25	mA/V
Control Grid Bias	...	...	...	-7	-7	volts

(For Anode current cut-off)

OPERATION AS RESISTANCE COUPLED AMPLIFIER (G3 connected to Cathode)

Anode and Screen Supply Voltage	...	100	200	300	volts
Anode Load Resistor	...	0.25	0.25	0.25	meg.
Screen Series Resistor	...	1.0	1.0	1.2	meg.
Cathode Bias Resistor	...	2,500	1,500	1,200	ohms
Peak Output	...	35	70	100	volts
Voltage Gain	...	90	120	140	

OPERATION AS A TRIODE (G2, G3 connected to Anode).

For operating characteristics see type 6CSG.

OPERATION AS ANODE BEND DETECTOR (G3 connected to Cathode).

Anode Supply Voltage	...	...	...	100	250	volts
Anode Load Resistor	...	...	...	0.25	0.5	meg.
Screen Series Resistor	...	...	...	2.5	4.7	meg.
Cathode Bias Resistor	...	...	...	10,000	10,000	ohms
R.M.S. Input	...	...	...	1.6	1.4	volts*
Peak Output	...	...	...	17	17	volts*

* For R.M.S. Input modulated 20 per cent.

INTER-ELECTRODE CAPACITANCES†

Input (Control Grid to all except Anode)	...	...	...	4.6 pF
Output (Anode to all except Control Grid)	...	...	...	12 pF
Control Grid to Anode	...	...	...	.007 pF max.

† With close fitting shield connected to Cathode.

