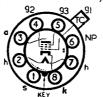
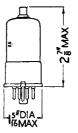


Heater Voltage

## TYPES **6J7G**, **6J7GT** (OCTAL BASE)



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



6J7GT.

6.3 volts

## 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 ...

| rieatei Voltage   | •••   | •••                              | •••                           | •••                                     | •••  | •••                             |   | 0.3 am   | <u></u>  |
|---|---|----------------------------------|-------------------------------|---|--|---------------------------------|---|--|--|
| Heater Current  | •••   | •••                              | •••                           | •••                                     | •••  | •••                             | •••   |  | lts max.   |
| Anode Voltage   | •••   |                                  | •••                           | •••                                     | •••  | •••                             | •••   |  | itts max.  |
| Anode Dissipation   |   | •••                              | •••                           | •••                                     | •••  | •••                             | •••   |  |  |
| Screen (g <sub>2</sub> ) Volta  | ge  | •••                              | •••                           | •••                                     | •••  | •••                             | • • • •   |  | its max.   |
| Screen Dissipation  | n   | •••                              | • • •                         | •••                                     | • • • •  | •••                             | • • •   |  | tts max.   |
| OPERATING CHARACTERISTICS [Suppressor Grid (g3) connected to Cathode]   |   |                                  |                               |   |  |                                 |   |  |  |
|   |   |                                  |                               |   |  | -                               | 100   | 250  | volts  |
| Anode Current   |   |                                  |                               |   |  |                                 | 2.0   | 2.0  | mΑ   |
| Screen Voltage  |   | •••                              |                               |   |  |                                 | 100   | 100  | volts  |
| Screen Current  |   | •••                              |                               |   |  |                                 | 0.5   | 0.5  | mΑ   |
| Control Grid (g   |   |                                  | •••                           | •••                                     |  |                                 | -3  | -3   | volts  |
| Anode Impedance   | , , ,   | -60                              |                               |   |  |                                 | 1.0   | 1.5  | meg.   |
| Mutual Conducta   |   |                                  |                               |   |  |                                 | 1.1   | 1.25   | mA/V   |
| Control Grid Bias   |   |                                  |                               |   |  |                                 | -7  | _ <b>7</b>   | volts  |
| (For Anode curre  |   |                                  | •••                           | •••                                     | •••  |                                 | •   | •  |  |
| `   |   | ,                                |                               |   |  |                                 |   |  |  |
| OPERATION AS RESISTANCE COUPLED AMPLIFIER (g3 connected to Cathode)   |   |                                  |                               |   |  |                                 |   |  |  |
| OPERATION AS  | 1/1010  | ,                                |                               | ,                                       |  |                                 | (6)   |  | ,  |
|   |   |                                  |                               |   | 100  |                                 | 200   | 300  | volts  |
| Anode and Screen  | n Supp  | ly Volt                          | age                           | •••                                     |  |                                 |   |  |  |
| Anode and Screen  | n Supp<br>stor  | ly Volt                          | age<br>                       |   | 100  |                                 | 200   | 300  | volts  |
| Anode and Screen<br>Anode Load Resis<br>Screen Series Res   | n Supp<br>stor<br>sistor  | ly Volt<br>                      | age<br>                       |   | 100<br>0.25<br>1.0   |                                 | 200<br>0.25<br>1.0  | 300<br>0.25  | volts<br>meg.  |
| Anode and Screen<br>Anode Load Resis<br>Screen Series Res<br>Cathode Bias Res   | n Supp<br>stor<br>sistor<br>istor   | ly Volt<br><br>                  | age<br><br>                   |   | 100<br>0.25<br>1.0<br>2,500  |                                 | 200<br>0.25<br>1.0<br>1,500   | 300<br>0.25<br>1.2<br>1,200  | volts<br>meg.<br>meg.  |
| Anode and Scree<br>Anode Load Resis<br>Screen Series Res<br>Cathode Bias Res<br>Peak Output   | n Supp<br>stor<br>sistor<br>istor<br>   | ly Volt<br><br><br>              | age<br><br>                   |   | 100<br>0.25<br>1.0<br>2,500<br>35                                    |                                 | 200<br>0.25<br>1.0<br>1,500<br>70   | 300<br>0.25<br>1.2<br>1,200<br>100   | volts<br>meg.<br>meg.<br>ohms  |
| Anode and Screen<br>Anode Load Resis<br>Screen Series Res<br>Cathode Bias Res<br>Peak Output<br>Voltage Gain  | n Supp<br>stor<br>sistor<br>istor<br>   | ly Volt<br><br><br>              | age<br><br><br>               |   | 100<br>0.25<br>1.0<br>2,500<br>35<br>90                              | )                               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120  | 300<br>0.25<br>1.2<br>1,200<br>100<br>140  | volts<br>meg.<br>meg.<br>ohms  |
| Anode and Screen<br>Anode Load Resis<br>Screen Series Res<br>Cathode Bias Res<br>Peak Output<br>Voltage Gain  | n Supp<br>stor<br>sistor<br>istor<br><br>ATION  | ly Volt<br><br><br><br>          | age<br><br><br><br><br>A TRIC | <br><br><br><br>DDE (g                  | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn                    | )<br>ecte                       | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An  | 300<br>0.25<br>1.2<br>1,200<br>100<br>140  | volts<br>meg.<br>meg.<br>ohms  |
| Anode and Screen<br>Anode Load Resis<br>Screen Series Res<br>Cathode Bias Res<br>Peak Output<br>Voltage Gain  | n Supp<br>stor<br>sistor<br>istor<br><br>ATION  | ly Volt<br><br><br><br>          | age<br><br><br><br><br>A TRIC | <br><br><br><br>DDE (g                  | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn                    | )<br>ecte                       | 200<br>0.25<br>1.0<br>1,500<br>70<br>120  | 300<br>0.25<br>1.2<br>1,200<br>100<br>140  | volts<br>meg.<br>meg.<br>ohms  |
| Anode and Screet<br>Anode Load Resis<br>Screen Series Res<br>Cathode Bias Res<br>Peak Output<br>Voltage Gain  | n Supp<br>stor<br>sistor<br>istor<br><br>ATION  | ly Volt l AS A                   | age A TRIC                    | <br><br><br><br>DDE (g                  | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.   | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)  | volts<br>meg.<br>meg.<br>ohms  |
| Anode and Screen Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION AS   | n Supp<br>stor<br>sistor<br>istor<br><br><br>ATION<br>For                                   | ly Volt I AS A operation         | age A TRIC ng chare           | <br><br><br>DDE (g<br>acterist          | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An  | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)  | volts<br>meg.<br>meg.<br>ohms<br>volts   |
| Anode and Screen Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION A Anode Supply Vo  | n Supp<br>stor<br>sistor<br>istor<br><br>ATION<br>For<br>S ANG                              | ly Volt I AS A operation         | age A TRIC ng chare BEND      | <br><br><br>DDE (g<br>acterist<br>DETEC | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.<br>connect  | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)  | volts<br>meg.<br>meg.<br>ohms<br>volts<br>athode)                                    |
| Anode and Screet Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION At Anode Supply Vo Anode Load Resis  | n Supp<br>stor<br>sistor<br>istor<br><br>ATION<br>For<br>S ANG                              | Iy Volt I AS A operation DDE E   | age A TRIC ang chard BEND     | DDE (g acterist DETEC                   | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.<br>connect<br>100<br>0.25                         | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)<br>ed to C<br>250<br>0.5                         | volts<br>meg.<br>meg.<br>ohms<br>volts<br>athode)<br>volts<br>meg.                   |
| Anode and Screet Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION A: Anode Supply Vo Anode Load Resis Screen Series Res                              | n Supp<br>stor<br>sistor<br><br>ATION<br>For<br>S ANG<br>sltage<br>stor                     | ly Volt I AS A operation DDE E   | age A TRIC ng chare BEND      | DDE (g acterist DETEC                   | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.<br>connect<br>100<br>0.25<br>2.5                  | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)<br>ed to C<br>250<br>0.5<br>4.7                  | volts<br>meg.<br>meg.<br>ohms<br>volts<br>athode)                                    |
| Anode and Screet Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION A: Anode Supply Vo Anode Load Resis Screen Series Res Cathode Bias Res             | n Supp<br>stor<br>istor<br><br>ATION<br>For<br>S ANO<br>sltage<br>stor<br>istor             | ly Volt I AS A operation DDE E   | age A TRIC ng chare BEND      | DDE (g acterist DETEC                   | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.<br>connect<br>100<br>0.25<br>2.5<br>10,000        | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)<br>ed to C<br>250<br>0.5<br>4.7<br>10,000        | volts<br>meg.<br>meg.<br>ohms<br>volts<br>athode)<br>volts<br>meg.<br>meg.<br>ohms   |
| Anode and Screen Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION A Anode Supply Vo Anode Load Resis Screen Series Res Cathode Bias Res R.M.S. Input | n Supp<br>stor<br>sistor<br><br>ATION<br>For<br>S ANG<br>sltage<br>stor                     | ly Volt I AS A operation DDE E   | age A TRIC BEND               | DDE (g acterist DETEC                   | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see         | )<br>ecte<br>type               | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.<br>connect<br>100<br>0.25<br>2.5<br>10,000        | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)<br>ed to C<br>250<br>0.5<br>4.7<br>10,000<br>1.4 | volts<br>meg.<br>meg.<br>ohms<br>volts<br>athode)<br>volts<br>meg.<br>ohms<br>volts* |
| Anode and Screet Anode Load Resis Screen Series Res Cathode Bias Res Peak Output Voltage Gain OPER OPERATION A: Anode Supply Vo Anode Load Resis Screen Series Res Cathode Bias Res             | n Supp<br>stor<br>istor<br>istor<br><br>ATION<br>For<br>S ANG<br>ltage<br>stor<br>istor<br> | ly Volt IN AS A poperation DDE E | age A TRIC ng chare BEND      | DETEC                                   | 100<br>0.25<br>1.0<br>2,500<br>35<br>90<br>2 conn<br>ics see<br><br> | ecte<br>type<br>(g <sub>3</sub> | 200<br>0.25<br>1.0<br>1,500<br>70<br>120<br>ed to An<br>6C5G.<br>connect<br>100<br>0.25<br>2.5<br>10,000<br>1.6 | 300<br>0.25<br>1.2<br>1,200<br>100<br>14C<br>ode)<br>ed to C<br>250<br>0.5<br>4.7<br>10,000        | volts<br>meg.<br>meg.<br>ohms<br>volts<br>athode)<br>volts<br>meg.<br>meg.<br>ohms   |

INTER-ELECTRODE CAPACITANCES †

Input

Output

4.6 pF

12 pF .007 pF max.