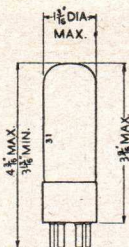


6U5/6G5  
6U7G



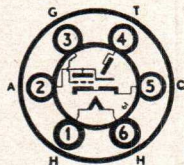
Replacement Type

TYPE 6U5/6G5

(U.X. BASE)

“MAGIC EYE”

TUNING INDICATOR



OPERATING CHARACTERISTICS

|                                     |     |      |           |              |
|-------------------------------------|-----|------|-----------|--------------|
| Heater Voltage                      | ... | ...  | 6.3 volts |              |
| Heater Current                      | ... | ...  | 0.3 amp.  |              |
| Anode and Target (T) Supply Voltage | ... | 100  | 200       | 250 volts    |
| Anode Load Resistor                 | ... | 0.5  | 1.0       | 1.0 meg.     |
| Anode Current*                      | ... | 0.19 | 0.19      | 0.24 mA      |
| Target Current*                     | ... | 1    | 3         | 4 mA approx. |
| Control Grid Voltage†               | ... | -8   | -18.5     | -22 volts    |

\* For shadow angle of approx. 90°, Control Grid Voltage zero.

† For shadow angle of 0°, Anode Current zero.

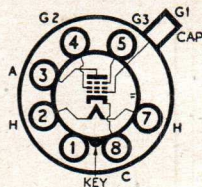


Replacement Type

TYPE 6U7G

(OCTAL BASE)

VARI-MU R.F. PENTODE



OPERATING CHARACTERISTICS

[Suppressor Grid (G3) connected to Cathode]

|                       |     |     |      |           |
|-----------------------|-----|-----|------|-----------|
| Heater Voltage        | ... | ... | ...  | 6.3 volts |
| Heater Current        | ... | ... | ...  | 0.3 amp.  |
| Anode Voltage         | ... | ... | 100  | 250 volts |
| Anode Current         | ... | ... | 8.0  | 8.2 mA    |
| Screen (G2) Voltage   | ... | ... | 100  | 100 volts |
| Screen Current        | ... | ... | 2.2  | 2.0 mA    |
| Control Grid Voltage  | ... | ... | -3   | -3 volts  |
| Cathode Bias Resistor | ... | ... | 330  | 330 ohms  |
| Anode Impedance       | ... | ... | 0.25 | 0.8 meg.  |
| Mutual Conductance    | ... | ... | 1.5  | 1.6 mA/V  |
| Control Grid Bias     | ... | ... | -50  | -50 volts |

(For Mutual Conductance of 0.002 mA/V)

INTER-ELECTRODE CAPACITANCES§

|                                           |     |     |               |
|-------------------------------------------|-----|-----|---------------|
| Input (Control Grid to all except Anode)  | ... | ... | 5 pF          |
| Output (Anode to all except Control Grid) | ... | ... | 9 pF          |
| Control Grid to Anode                     | ... | ... | 0.007 pF max. |

§ With close fitting shield connected to Cathode.