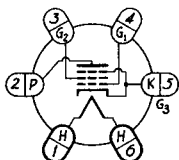


PENTODE  
POWER AMPLIFIER  
Heater Type      Glass Bulb

The 41 is a pentode type power amplifier tube designed for service in the output stage of storage battery or a-c operated receivers. The ratings and electrical characteristics are identical with those of the type 6K6G.



BOTTOM VIEW OF SOCKET

RATINGS

|                             |     |       |
|-----------------------------|-----|-------|
| Heater Voltage (a-c or d-c) | 6.3 | volts |
| Heater Current              | 0.4 | amp   |
| Maximum Plate Voltage       | 250 | volts |
| Maximum Screen Voltage      | 250 | volts |

AMPLIFIER - CLASS A

|                                |        |       |       |       |         |
|--------------------------------|--------|-------|-------|-------|---------|
| Plate Voltage                  | 100    | 135   | 180   | 250   | volts   |
| Screen Voltage                 | 100    | 135   | 180   | 250   | volts   |
| Grid Bias                      | -7     | -10   | -13.5 | -18 † | volts   |
| Amplification Factor (approx.) | 150    | 150   | 150   | 150   |         |
| Plate Resistance (approx.)     | 103500 | 94000 | 81000 | 68000 | ohms    |
| Transconductance               | 1450   | 1600  | 1850  | 2200  | umhos   |
| Plate Current                  | 9      | 12.5  | 18.5  | 32    | ma      |
| Screen Current                 | 1.6    | 2.2   | 3     | 5.5   | ma      |
| Load Resistance                | 12000  | 10400 | 9000  | 7600  | ohms    |
| Total Harmonic Distortion      | 10     | 10    | 10    | 10    | percent |
| Power Output                   | 0.33   | 0.75  | 1.5   | 3.4   | watts   |

Transformer or impedance input coupling devices are recommended. If resistance coupling is used, the d-c resistance in the grid circuit should not exceed 1 megohm with self-bias, or 0.1 megohm with fixed-bias.

The voltage between heater and cathode should be kept as low as possible where they are not directly connected.

†A bias of -16.5 volts and a load resistance of 7000 ohms will give power output of 3.2 watts with 7% total harmonic distortion.

For additional curves refer to the type 6K6G.

