

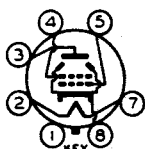


25C6-G

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**BEAM POWER AMPLIFIER**

|                        |                             |                  |
|------------------------|-----------------------------|------------------|
| Heater ■               | Coated Unipotential Cathode |                  |
| Voltage                | 25                          | a-c or d-c volts |
| Current                | 0.3                         | amp.             |
| Maximum Overall Length |                             | 4-5/8"           |
| Maximum Seated Height  |                             | 4-1/16"          |
| Maximum Diameter       |                             | 1-13/16"         |
| Bulb                   |                             | ST-14            |
| Base                   | Medium Shell Octal 7-Pin    |                  |
| Pin 1—No Connection    | Pin 5—Grid                  |                  |
| Pin 2—Heater           | Pin 7—Heater                |                  |
| Pin 3—Plate            | Pin 8—Cathode               |                  |
| Pin 4—Screen           |                             |                  |
| Mounting Position      |                             | Any              |



BOTTOM VIEW (G-7AC)

AMPLIFIER

|                    |                 |
|--------------------|-----------------|
| Plate Voltage      | 200 max. volts  |
| Screen Voltage     | 135 max. volts  |
| Plate Dissipation  | 12.5 max. watts |
| Screen Dissipation | 1.75 max. watts |

**Typical Operation and Characteristics—Class A<sub>1</sub> Amplifier:**

|                        |       |       |       |
|------------------------|-------|-------|-------|
| Heater ■               | 25    | 25    | volts |
| Plate                  | 135   | 200   | volts |
| Screen                 | 135   | 135   | volts |
| Grid ▲                 | -13.5 | 14    | volts |
| Peak A-F Grid Voltage  | 13.5  | 14    | volts |
| Zero-Sig. Plate Cur.   | 58    | 61    | ma.   |
| Max.-Sig. Plate Cur.   | 60    | 66    | ma.   |
| Zero-Sig. Screen Cur.  | 3.5   | 2.2   | ma.   |
| Max.-Sig. Screen Cur.  | 11.5  | 9.0   | ma.   |
| Plate Res. (Approx.)   | 9300  | 18300 | ohms  |
| Transcond.             | 7000  | 7100  | μmhos |
| Load Res.              | 2000  | 2600  | ohms  |
| Total Harmonic Dist.   | 10    | 10    | %     |
| Max.-Sig. Power Output | 3.6   | 6.0   | watts |

■ In circuits where the cathode is not connected directly to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ The type of input coupling should not introduce too much resistance in the grid circuit. Transformer- or impedance-input coupling devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, cathode bias is required. With cathode bias, the grid circuit may have a resistance not to exceed 0.5 megohm.

*The curve under Type 6Y6-G also applies to the 25C6-G.*