

Operating Frequency Drift:

Maximum Frequency Drift:

For heater-voltage range of 5.2 to 6.6 volts, plate-voltage range of 95 to 117 volts, and ambient-temperature range of +22° to -40°C.....

+4 to -1

Mc

OPERATING CONSIDERATIONS

Type 6562 may be mounted in any position. *OUTLINE 68, Outlines Section.*

The flexible heater leads of the 6562 are usually soldered to the circuit elements. Soldering of these connections should not be made closer than $\frac{3}{4}$ " from the end of the tube (excluding cathode tab). If this precaution is not followed, the heat of the soldering operation may crack the glass seals of the leads and damage the tube. Under no circumstances should any of the electrodes be soldered to the circuit elements. Connections to the electrodes should be made by spring contact only.

The 6562 should be supported by a suitable clamp around the metal shell either above or below the frequency-adjustment screw. It is essential, however, that the pressure exerted on the shell by the clamp be held to a minimum because excessive pressure can distort the resonators and result in a change of frequency.

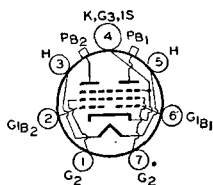
The plate connection should have a flexible lead which will accommodate variations in the relative position of the plate terminal in individual tubes.

The 6562 may be mechanically tuned by adjustment of the frequency-adjustment screw located on the metal shell of the tube. A clockwise rotation of the frequency-adjustment screw will decrease the frequency, while a counterclockwise rotation will increase the frequency. The range of adjustment provided by the screw is ± 12 megacycles.

TWIN BEAM POWER TUBE

6850

Small, sturdy, heater-cathode type used as af power amplifier and modulator, as push-pull rf power amplifier and oscillator, and as frequency tripler. May be used with full input up

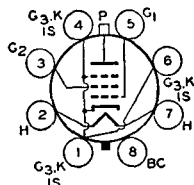


to 100 Mc and with reduced input up to 470 Mc. Class C Telegraphy maximum plate dissipation (per tube), CCS 20 watts, ICAS 25 watts. Requires Septar seven-contact socket and may be mounted in any position. *OUTLINE 14, Outlines Section.* Heater volts (ac/dc), $12.6 \pm 10\%$; amperes, 0.625. Except for heater rating, the 6850 is identical with type 6524.

BEAM POWER TUBE

6883

Small, sturdy, glass-octal heater-cathode type used as af power amplifier and modulator and as rf power amplifier and oscillator. May be used with full input up to 60 Mc and with

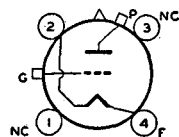


reduced input up to 175 Mc. Class C Telegraphy maximum plate dissipation, CCS 20 watts, ICAS 25 watts. Requires Octal socket and may be mounted in any position. *OUTLINE 17, Outlines Section.* Heater volts (ac/dc), $12.6 \pm 10\%$; amperes, 0.625. Except for heater rating, the 6883 is identical with type 6146.

POWER TRIODE

8000

Thoriated-tungsten-filament type used as af power amplifier and modulator and as rf power amplifier and oscillator. May be used with full input up to 30 Mc and with reduced input



up to 100 Mc. Class C Telegraphy maximum plate dissipation, CCS 125 watts, ICAS 175 watts.