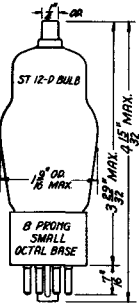
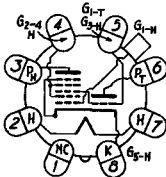


TRIODE HEPTODE
FREQUENCY CONVERTER
Heater Type Glass Bulb



The 6J8G is a duplex tube containing a triode unit and a heptode unit, having a common cathode, in the same envelope. The grid of the triode unit is connected internally to the injector grid of the heptode unit. It is designed for converter service in circuits similar to those employing a separate triode oscillator and pentagrid mixer.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.3	amp
Maximum Plate Voltage (Heptode)	250	volts
Maximum Screen Voltage (Heptode)	100	volts
Maximum Plate Supply Voltage (Triode)	250*	volts

FREQUENCY CONVERTER

Mixer Plate Voltage (Heptode)	250	volts
Mixer Screen Voltage (Heptode)	100	volts
Mixer Control Grid Bias (Heptode)	-3	volts
Oscillator Plate Voltage (Triode)	250*	volts
Oscillator Grid Resistor (Triode)	50000	ohms
Mixer Plate Current (Heptode)	1.2	ma
Mixer Screen Current (Heptode)	2.8	ma
Oscillator Plate Current (Triode)	5.0	ma
Oscillator Grid Current (Triode)	0.4	ma
Mixer Plate Resistance (Heptode) (approx.)	4	megohm
Conversion Transconductance	290	μ mhos
Conversion Transconductance	2	μ mhos

(At mixer control grid bias = -20 volts)

* Applied through a 20000 ohm series resistor by-passed by a 0.1 μ f condenser.

