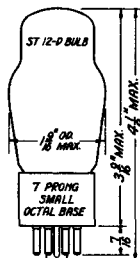


PENTODE
POWER AMPLIFIER
Heater Type Glass Bulb



The 6G6G is a pentode type power amplifier tube designed for service in the output stage of receivers where maximum overall efficiency is required.

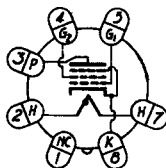
RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.15	amp
Maximum Plate Voltage	180	volts
Maximum Screen Voltage	180	volts

AMPLIFIER - CLASS A

Plate Voltage	135	180	volts
Screen Voltage	135	180	volts
Grid Bias	-8 *	-9 *	volts
Self-Bias Resistor	440	510	ohms
Amplification Factor	360	400	
Plate Resistance	0.170	0.175	megohm
Transconductance	2100	2300	μmhos
Plate Current	11.5	15	ma
Screen Current	2	2.5	ma
Load Resistance	12000	10000	ohms
Total Harmonic Distortion	7.5	10	percent
Power Output	0.6	1.1	watts

BOTTOM VIEW OF SOCKET



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

* Transformer or impedance input systems are recommended. If resistance coupling is used the d-c resistance in the grid circuit should not exceed 0.5 megohm with self-bias. With fixed-bias the d-c grid circuit resistance should not exceed 0.5 megohm under the 135 volt operating conditions or 0.05 megohm under the 180 volt conditions.

