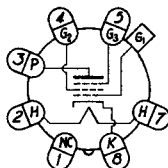
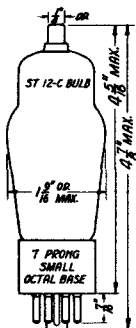


PENTODE REMOTE CUTOFF AMPLIFIER

Heater Type

Glass Bulb



BOTTOM VIEW OF SOCKET

The 6U7G is a pentode type amplifier tube with remote cutoff characteristics designed for service as a high frequency amplifier or mixer in storage battery or a-c operated receivers. The ratings and electrical characteristics are identical with those of the type 6D6.

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.3	amp
Max. Plate Voltage	250	volts
Max. Screen Voltage	100	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	0.007 max.*	μf
Input	4.5	μf
Output	9.0	μf

AMPLIFIER - CLASS A

Plate Voltage	100	250	volts
Screen Voltage	100	100	volts
Grid Bias	-3	-3	volts
Suppressor	Connected to Cathode at Socket		
Amplification Factor	375	1280	
Plate Resistance	0.25	0.8	megohm
Transconductance	1500	1500	μ mhos
Plate Current	8	8.2	ma
Screen Current	2.2	2	ma
Grid Bias for Transconductance = 2 μ mhos	-50	-50	volts

MIXER - SUPERHETERODYNE CIRCUIT

Plate Voltage	100	250	volts
Screen Voltage	100	100	volts
Grid Bias	-10	-10	volts
Suppressor	Connected to Cathode at Socket		

The grid bias is not critical with an oscillator peak swing 1 volt less than the grid bias.

The shield in the dome of the tube is connected internally to the cathode.

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

*With tube shield

For additional curves refer to the type 6D6.

