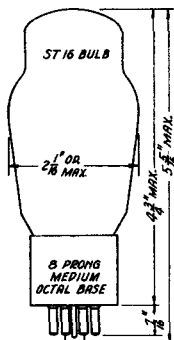


6A5G

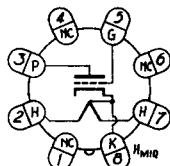
RAYTHEON

6A5G

TRIODE
POWER AMPLIFIER
Heater Type Glass Bulb



The 6A5G is a triode type power amplifier tube designed for service in the output stage of storage battery or a-c operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	1.25	amp
Maximum Plate Voltage	325	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	16	μf
Input	7	μf
Output	5	μf

AMPLIFIER - CLASS A

Plate Voltage	250 max.	volts
Grid Bias	-45	volts
Amplification Factor	4.2	
Plate Resistance	800	ohms
Transconductance	5250	μmhos
Plate Current	60	ma
Load Resistance	2500	ohms
Power Output (5% second harmonic)	3.75	watts

AMPLIFIER - CLASS AB - TWO TUBES

	Fixed-Bias	Self-Bias	
Plate Voltage	325	325	volts
Grid Bias	-68		volts
Self-Bias Resistor		850	ohms
No-Signal Plate Current (per tube)	40	40	ma
Load Resistance (plate to plate)	3000	5000	ohms
Total Harmonics	2.5	5	percent
Power Output	15	10	watts

The cathode is connected internally to the mid-point of the heater and to pin #8.

