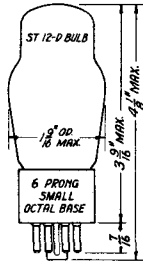


TRIODE
POWER AMPLIFIER
Heater Type Glass Bulb

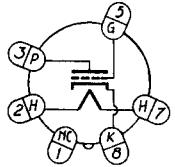


The 6AC5G is a high- μ triode power amplifier tube designed for positive bias Class A₂ operation particularly in a direct or dynamic coupled circuit using a type 76 driver tube. Two 6AC5G tubes are also adapted for use in a Class B stage.

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.4	amp
Maximum Plate Voltage	250	volts
Maximum Peak Plate Current	110	ma
Maximum Plate Dissipation	10	watts

BOTTOM VIEW OF SOCKET



AMPLIFIER - CLASS A

Plate Voltage	250	volts
Grid Bias	+13	volts
Amplification Factor	125	
Plate Resistance	36700	ohms
Transconductance	3400	umhos
Plate Current	32	ma
Grid Current	5	ma

AMPLIFIER - CLASS A - DIRECT OR DYNAMIC COUPLED

	Single Tube 1- Type 76 Driver	Push-Pull-Two Tubes 2-Type 76 Drivers	2-Type 6J5G Drivers	
Plate Supply Voltage	250	250	250	volts
Grid Bias	*	*	*	volts
No-Sig. Plate Current	32	64	48	ma
Max. Sig. Plate Current		76	72	ma
No-Sig. Driver Plate Current	5.5	10	8	ma
Max. Sig. Driver Plate Current		19	20	ma
Load Resistance	7000	10000 (P-P)	10000 (P-P)	ohms
Max. Signal Voltage RMS (Driver)	16.5	47 (G-G)	50 (G-G)	volts
Total Harmonics	10	10	10	percent
Power Output	3.7 †	9.5	9.5	watts

AMPLIFIER - CLASS B - TWO TUBES

Plate Voltage	250	volts
Grid Bias	0	volts
Signal Peak Voltage (grid to grid)	70	volts
No-Signal Plate Current	5	ma
Load Resistance (plate to plate)	10000	ohms
Power Output (approximate)	8	watts

(With peak input of 950 mw. grid to grid)

* No external grid bias is required as the direct or dynamic coupled circuit automatically supplies the proper bias to both tubes. The total d-c resistance in the grid circuit of the type 76 driver tube should not exceed 1.0 megohm.

† Maximum power output at start of driver grid current is 4.3 watts with total harmonic distortion of approximately 16%.

