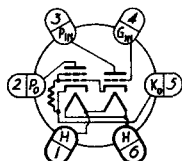


DUO-TRIODE
DIRECT COUPLED POWER AMPLIFIER
Heater Type Glass Bulb



BOTTOM VIEW OF SOCKET

The 6B5 is a direct coupled power amplifier tube designed for service in the output stage of storage battery or a-c operated receivers. The ratings and electrical characteristics are identical with those of the type 6N6G.

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.8	amp
Maximum Plate Voltage	325	volts

AMPLIFIER - CLASS A

Output-Plate Voltage	250	300	325	volts
Input-Plate Voltage	250	300	325	volts
Grid Bias	0	0	0	volts
Amplification Factor		58		
Plate Resistance		24100		ohms
Transconductance		2400		μmhos
Output-Plate Current	33	45	51	ma
Input-Plate Current	6.5	8	9	ma
Load Resistance	7000	7000	7000	ohms
Total Harmonic Dist.	5	5	5	percent
Power Output	2.5	4	5.2	watts
Signal Voltage RMS	13.5	15	17	volts

AMPLIFIER - CLASS A - PUSH-PULL - TWO TUBES

Output-Plate Voltage	250	300	325	volts
Input-Plate Voltage	250	300	325	volts
Grid Bias	0	0	0	volts
Output-Plate Current (per tube)	33	45	51	ma
Input-Plate Current (per tube)	6.5	8	9	ma
Load Resistance (plate to plate)	10000	10000	10000	ohms
Total Harmonic Distortion	5	5	5	percent
Power Output	8.5	10	13.5	watts
Signal Voltage RMS (grid to grid)	38	38	42	volts

The voltage between heater and cathode should not exceed 50 volts and in no case should the heater be left floating.

If a grid resistor is used its value should not exceed 0.5 megohm.

For additional curves refer to the type 6N6G.

