

6N7 6N7G

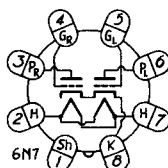
RAYTHEON

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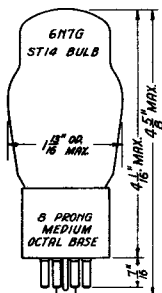
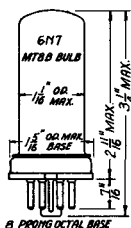
TWIN TRIODE POWER AMPLIFIER Heater Type

Metal Bulb-6N7 Glass Bulb-6N7G

The 6N7 is a twin triode type amplifier tube designed for service as a Class B power amplifier in the output stage of storage battery or a-c operated receivers. The ratings and electrical characteristics are identical with those of the type 6A6.



**BOTTOM VIEW OF SOCKET
6N7G- NO CONNECTION
TO #1 PIN**



RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.8	amp
Maximum Plate Voltage	300	volts
Maximum Peak Plate Current (per plate)	125	ma
Maximum Average Plate Dissipation	10	watts

AMPLIFIER - CLASS B

Plate Voltage	250	300	volts
Grid Bias	0	0	volts
No-Signal Plate Current(per plate)	14	17.5	ma
Load Resistance (plate to plate)	8000	10000	ohms
Power Output (approximate)	8	10	watts
(With average power input = 350 mw. grid to grid)			

AMPLIFIER - CLASS A-DRIVER TRIODES CONNECTED IN PARALLEL

Plate Voltage	250	294	volts
Grid Bias†	-5	-6	volts
Amplification Factor	35	35	
Plate Resistance	11300	11000	ohms
Transconductance	3100	3200	umhos
Plate Current	6	7	ma
Load Resistance - Depends on the design of the following Class B amplifier. Usually between 20000 and 40000 ohms.			
Power Output (approximate)		400	mw

†The d-c resistance in the grid circuit should not exceed 0.5 megohm with self-bias or 0.1 megohm with fixed-bias.

For additional curves refer to the type 6A6.

