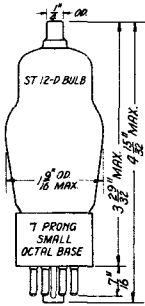


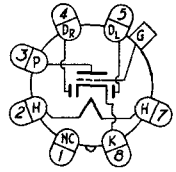
DUO-DIODE TRIODE
DETECTOR AMPLIFIER

Heater Type

Glass Bulb



The 6T7G/6Q6G is a duo-diode triode type amplifier tube designed for service as a combined diode detector, AVC rectifier, and audio frequency amplifier in storage battery or a-c operated receivers requiring a low heater current tube. The 6T7G/6Q6G replaces the type 6Q6G, single-diode triode.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.15	amp
Maximum Plate Voltage	250	volts

DIRECT INTERELECTRODE CAPACITANCES - TRIODE SECTION

Grid to Plate	1.3	μf
Input	2.7	μf
Output	4.5	μf

AMPLIFIER - CLASS A - TRIODE SECTION

Plate Voltage	135	250	volts
Grid Bias	-1.5	-3	volts
Amplification Factor	65	65	
Plate Resistance	65000	62000	ohms
Transconductance	1000	1050	μmhos
Plate Current	0.9	1.2	ma

DIODE SECTION

The two diode units are independent of each other and of the triode section except for the common cathode. The diodes may be used as a half wave or as a full wave rectifier; or one diode may be used as a half wave rectifier for detection, and the other diode used as a rectifier to obtain delayed AVC voltage.

