DETECTOR AMPLIFIER TRIODE

Heater* Coated Unipotential Cathode
Voltage 6.3 a-c or d-c volts
Current 0.3 amp.
Direct Interelectrode Capacitances:
Grid to Plate 2.6 μuf
Grid to Cathode 3.4 μuf
Plate to Cathode 5.5 μuf
Maximum Overall Length 3-5/16"
Maximum Seated Height 2-3/4"
Maximum Diameter 1-5/16"
Bulb T-9
Base Intermediate Shell Octal 6-Pin
Pin 1-No Connection Pin 5-Grid
Pin 2-Heater Pin 7-Heater
Pin 3-Plate Pin 8-Cathode
Mounting Position Any

BOTTOM VIEW (G-6Q)

Maximum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage 250 max. volts
Plate Dissipation 1.25 max. watts

Typical Operation and Characteristics - Class A1 Amplifier:

Plate 100 250 volts
Grid # -5 -13.5 volts
Amp. Fact. 13.8 13.8
Plate Res. 12000 9500 ohms
Transcond. 1150 1450 μmhos
Plate Cur. 2.5 5 ma.

* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
* With shield connected to cathode. Values are approximate.
* Under maximum rated conditions, the d-c resistance in the grid circuit should not exceed 1.0 megohm.

Curves for the Type 6P5-GT/G are the same as for the 56 and the 76.

Dec. 1, 1942
RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.