6L5-G
DETECTOR AMPLIFIER TRIODE

Heater: Coated Unipotential Cathode
Voltage: 6.3 a-c or d-c volts
Current: 0.15 amp.

Direct Inter-electrode Capacitances:
- Grid to Plate: 2.7 μf
- Grid to Cathode: 3.0 μf
- Plate to Cathode: 5.0 μf

Maximum Overall Length: 4-1/8"
Maximum Diameter: 1-9/16"
Bulb: ST-12
Base: Small Shell Octal 6-Pin
- Pin 1-No Connection
- Pin 5-Grid
- Pin 2-Heater
- Pin 7-Heater
- Pin 3-Plate
- Pin 8-Cathode

AMPLIFIER - Class A

Operating Conditions and Characteristics:
- Heater: 6.3 volts
- Plate: 135 250 max. volts
- Grid: -5 -9 volts
- Amp. Fact.: 17 17 ohms
- Plate Res.: 11200 9000 µmhos
- Transcond.: 1500 1900 ma.
- Plate Cur.: 3.5 8 ma.
- Grid Bias: -11 -20 approx. volts

** For cathode current cut-off.
* 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 tight-fitting shield.

AVERAGE CHARACTERISTICS

TYPE 6L5-G
E4=6.3 VOLTS
PLATE VOLTS=250 µ

- Plate Resistance (Ω) vs. Plate Milliamperes
- Plate Resistance (Ω) vs. Transconductance (µmhos)

APRIL 20, 1938
RCA RADIotron DIVISION
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AVERAGE PLATE CHARACTERISTICS

$E_x = 6.3$ VOLTS

PLATE MILLIAMPERES

PLATE VOLTS

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RCA RADIotron DIVISION
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