BEAM POWER AMPLIFIER

Heater* Coated Unipotential Cathode
Voltage 50 a-c or d-c volts
Current 0.15 amp.
Maximum Overall Length 3-5/16"
Maximum Seated Height 2-3/4"
Maximum Diameter 1-5/16"
Bulb T-9
Base Intermediate Shell Octal 7-Pin
Pin 1-No Connection Pin 5-Grid
Pin 2-Heater Pin 7-Heater
Pin 3-Plate Pin 8-Cathode
Pin 4-Screen
Mounting Position Any

BOTTOM VIEW (G-7AC)

AMPLIFIER

Plate Voltage 200 max. volts
Screen Voltage 117 max. volts
Plate Dissipation 10 max. watts
Screen Dissipation 1.25 max. watts

Typical Operation and Characteristics - Class A1 Amplifier:
Plate 110 200 volts
Screen 110 110 volts
Grid* -7.5 -8 volts
Peak A-F Grid Voltage 7.5 8 volts
Zero-Sig. Plate Cur. 49 50 ma.
Max.-Sig. Plate Cur. 50 55 ma.
Zero-Sig. Screen Cur. 4 2 approx. ma.
Max.-Sig. Screen Cur. 11 7 approx. ma.
Plate Resistance 13000 30000 approx. ohms
Transconductance 9000 9500 μmhos
Load Resistance 2000 3000 ohms
Total Harmonic Dist. 10 10%
Power Output 2.1 4.3 watts

* 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.
* The type of input coupling should not introduce too much resistance in the grid circuit. Transformer- or impedance-coupling devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, cathode bias is required. With cathode bias, the grid circuit may have a resistance not to exceed 0.5 megohm.

Curves under Type 25L6-GT also apply to the 50L6-GT.

---Indicates a change.

Sept. 2, 1941
50L6-GT
AVERAGE PLATE CHARACTERISTICS
PENTODE CONNECTION

$E_f = 50$ VOLTS
GRID = N°2 VOLTS = 110

GRID = N°1 (IC₁) OR GRID = N°2 (IC₂) MILLIAMPERES

PLATE (lb) MILLIAMPERES

JAN. 27, 1950
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, MCKEEN, NEW JERSEY

92CM-6314RI
5OL6-GT

AVERAGE PLATE CHARACTERISTICS
TRIODE CONNECTION

E_F = 50 VOLTS
GRID N° 2 CONNECTED TO PLATE

PLATE (Ib) OR GRID (IC) MILLIAMPERES
APRIL 6, 1948
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, MARRISON, NEW JERSEY

92CM-6316R1