



25L6-GT

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BEAM POWER TUBE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 25 ac or dc volts

Current. 0.3 amp

Direct Interelectrode Capacitances:⁰

Grid No.1 to plate 0.6 μf

Grid No.1 to cathode & grid No.3,
grid No.2, and heater. 15 μf

Plate to cathode & grid No.3,
grid No.2, and heater. 10 μf

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-5/16"

Maximum Seated Length. 2-3/4"

Maximum Diameter 1-9/32"

Bulb T-9

Base Intermediate-Shell Octal 7-Pin (JETEC No.87-7),
or Short Intermediate-Shell Octal 7-Pin
with External Barriers (JETEC No.87-59)

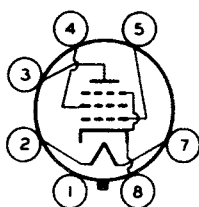
Basing Designation for BOTTOM VIEW 7AC

Pin 1 - No Con-
nection

Pin 2 - Heater

Pin 3 - Plate

Pin 4 - Grid No.2



Pin 5 - Grid No.1

Pin 7 - Heater

Pin 8 - Cathode,
Grid No.3

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 200 max. volts

GRID-No.2 (SCREEN) VOLTAGE 125 max. volts

PLATE DISSIPATION. 10 max. watts

GRID-No.2 INPUT. 1.25 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . . 150 max. volts

Heater positive with respect to cathode. . . 150 max. volts

Typical Operation and Characteristics:

Plate Voltage. 110 200 volts

Grid-No.2 Voltage. 110 125 volts

Grid-No.1 (Control-Grid) Voltage . . -7.5 0 volts

Peak AF Grid-No.1 Voltage. 7.5 8.5 volts

Cathode Resistor 0 180 ohms

Zero-Signal Plate Current. 49 46 ma

Max.-Signal Plate Current. 50 47 ma

Zero-Signal Grid-No.2 Current. 4 2.2 ma

⁰ without external shield.

← Indicates a change.

MAY 1, 1955

TUBE DIVISION

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Max.-Signal Grid-No.2 Current. . .	10	8.5	ma
Plate Resistance (Approx.)	13000	28000	ohms
Transconductance	8000	8000	μ mhos
Load Resistance.	2000	4000	ohms
Total Harmonic Distortion.	10	10	%
Max.-Signal Power Output	2.1	3.8	watts

Maximum Circuit Values (For maximum rated conditions):

Grid-No.1-Circuit Resistance:

For fixed-bias operation	0.1 max. megohm
For cathode-bias operation	0.5 max. megohm

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