



25L6

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BEAM POWER AMPLIFIER

GENERAL DATA

Electrical:

Heater; for Unipotential Cathode:

Voltage. 25 ac or dc volts

Current. 0.3 amp

Direct Interelectrode Capacitances (Approx.):^oGrid No.1 to Plate 0.3 μmf Input. 16.0 μmf Output 13.5 μmf ^o With shell connected to cathode.

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-1/4"

Maximum Seated Length. 2-11/16"

Maximum Diameter 1-5/16"

Bulb Metal Shell, MT-8

Base Small-Wafer Octal 7-Pin

Basing Designation for BOTTOM VIEW 7AC

Pin 1-Shell

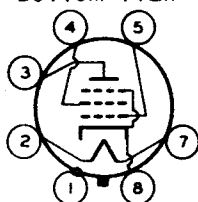
Pin 2-Heater

Pin 3-Plate

Pin 4-Grid No.2

Pin 5-Grid No.1

Pin 7-Heater

Pin 8-Cathode,
Grid No.3AF POWER AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 200 max. volts

GRID-No.2 (SCREEN) VOLTAGE 117 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. 90 max. volts

Heater positive with respect to cathode. 90 max. volts

Typical Operation and Characteristics:

Plate Voltage. 110 200 volts ←

Grid-No.2 Voltage. 110 110 volts

Grid-No.1 (Control-Grid) Voltage -7.5 -8 volts

Peak AF Grid-No.1 Voltage. 7.5 8 volts

Zero-Signal Plate Current. 49 50 ma

Max.-Signal Plate Current. 50 55 ma

Zero-Sig. Grid-No.2 Cur. (Approx.) 4 2 ma

Max.-Sig. Grid-No.2 Cur. (Approx.) 11 7 ma

Plate Resistance (Approx.) 13000 30000 ohms

Transconductance 9000 9500 μmhos

Load Resistance. 2000 3000 ohms

Total Harmonic Distortion. 10 10 %

← Indicates a change.

FEB. 1, 1950

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Max.-Signal Power Output 2.1 4.3 watts

Maximum Circuit Values (for maximum rated conditions):

Grid-No.1-Circuit Resistance:

For fixed bias 0.1 megohm

For cathode bias 0.5 megohm

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

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