



6L4

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OSCILLATOR TRIODE

ACORN TYPE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.225 amp

Direct Interelectrode Capacitances:*

Grid to Plate. 1.6 μf Grid to Cathode. 1.8 μf Plate to Cathode 0.5 μf

* With no external shield.

Mechanical:

Mounting Position. Any

Overall Length $1-7/32" \pm 5/32"$ Overall Diameter (Including radial pins) $1-3/32" \pm 1/16"$

Bulb T-4-1/2

Base Small Radial 7-Pin

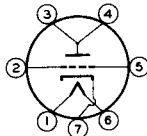
Basing Designation for BOTTOM VIEW 7BR

Pin 1-Heater

Pin 2-Grid

Pin 3-Plate

Pin 4-Plate



Pin 5-Grid

Pin 6-Heater

Pin 7-Cathode

AMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 500 max. volts

PLATE DISSIPATION. 1.7 max. watts

PLATE CURRENT. 15 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 80 max. volts

Heater positive with respect to cathode 80 max. volts

Typical Operation and Characteristics:

Plate Voltage. 80 volts

Cathode-Bias Resistor. 150 ohms

Amplification Factor 28

Plate Resistance 4400 ohms

Transconductance 6400 μmhos

Plate Current. 9.5 ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For fixed bias Not Recommended

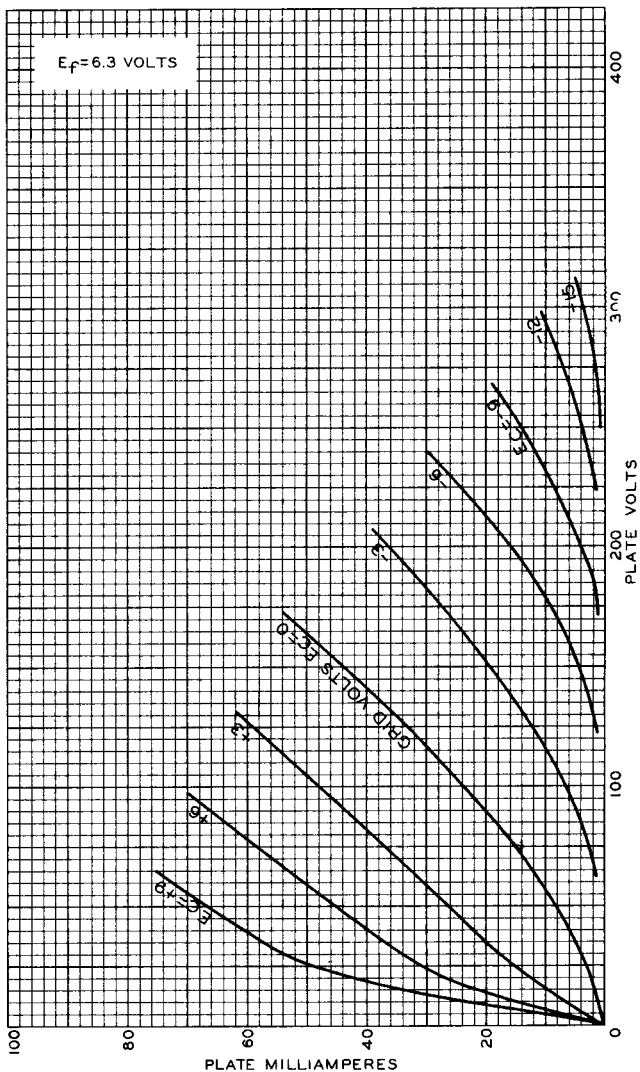
For cathode bias 0.5 max. megohm

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AVERAGE PLATE CHARACTERISTICS



MAR. 8, 1949

TUBE DEPARTMENT

92CM-7199

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



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TYPICAL CHARACTERISTICS

