



6BC4

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MEDIUM-MU TRIODE

9-PIN MINIATURE TYPE

For use as rf amplifier in cathode-drive circuits
of TV tuners covering range of 470-890 Mc

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts

Current 0.225 amp

Direct Interelectrode Capacitances (Approx.):*

Grid to plate 1.6 μf Grid to heater and cathode 2.9 μf Plate to heater and cathode 0.26 μf Heater to cathode 2.7 μf Characteristics - Class A₁ Amplifier:

Plate Supply Voltage 150 volts

Cathode-Bias Resistor 100 ohms

Amplification Factor 48

Plate Resistance 4800 ohms

Transconductance 10000 μmhos Grid Voltage (Approx.) for plate
current of 10 μamp -10 volts

Plate Current 14.5 ma

Mechanical:

Mounting Position Any

Maximum Overall Length 1-3/4"

Maximum Seated Length 1-1/2"

Length, Base Seat to Bulb Top
(Excluding Tip) 1-1/8" $\pm$ 3/32"

Maximum Diameter 7/8"

Bulb T-6-1/2

Base Small-Button Noval 9-Pin (JETEC No. E9-1)

Basing Designation for BOTTOM VIEW 9DR

Pin 1 - Plate

Pin 2 - Grid

Pin 3 - Grid

Pin 4 - Heater

Pin 5 - Heater



Pin 6 - Cathode

Pin 7 - Grid

Pin 8 - Grid

Pin 9 - Plate

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 250 max. volts

PLATE DISSIPATION 2.5 max. watts

CATHODE CURRENT 25 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 75 max. volts

Heater positive with respect to cathode 75 max. volts

* With no external shield.

JUNE 14, 1954

TUBE DIVISION

TENTATIVE DATA

RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

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Maximum Circuit Values (For maximum rated conditions):

Grid-Circuit Resistance:

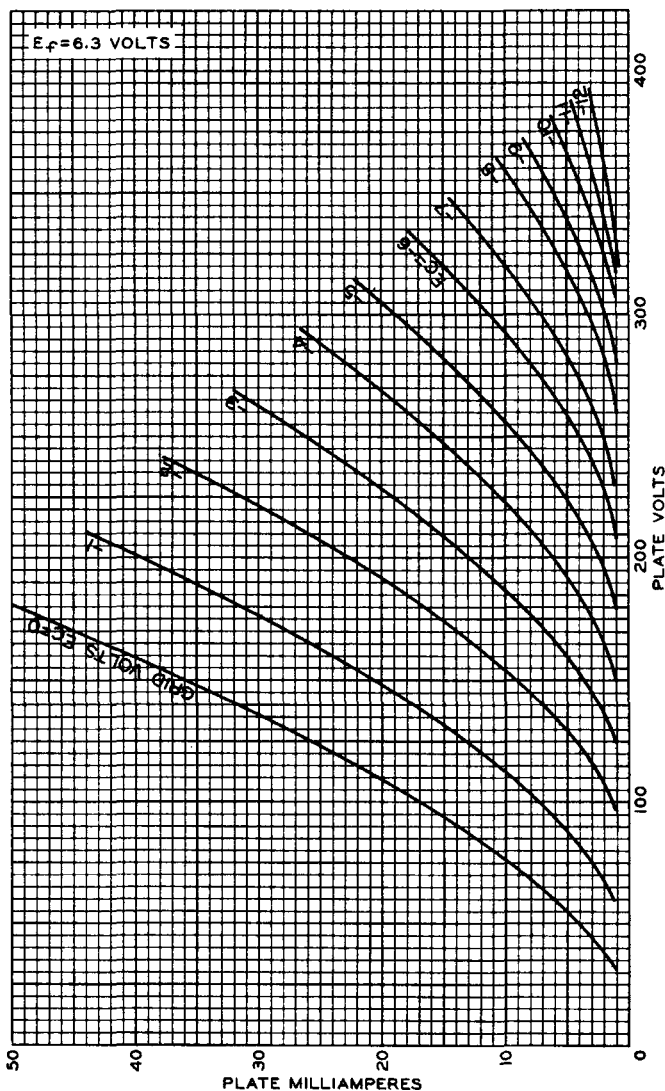
For cathode-bias operation	0.5 max. megohm
For fixed-bias operation	not recommended



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AVERAGE PLATE CHARACTERISTICS



FEB. 12, 1954

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92CM-8241

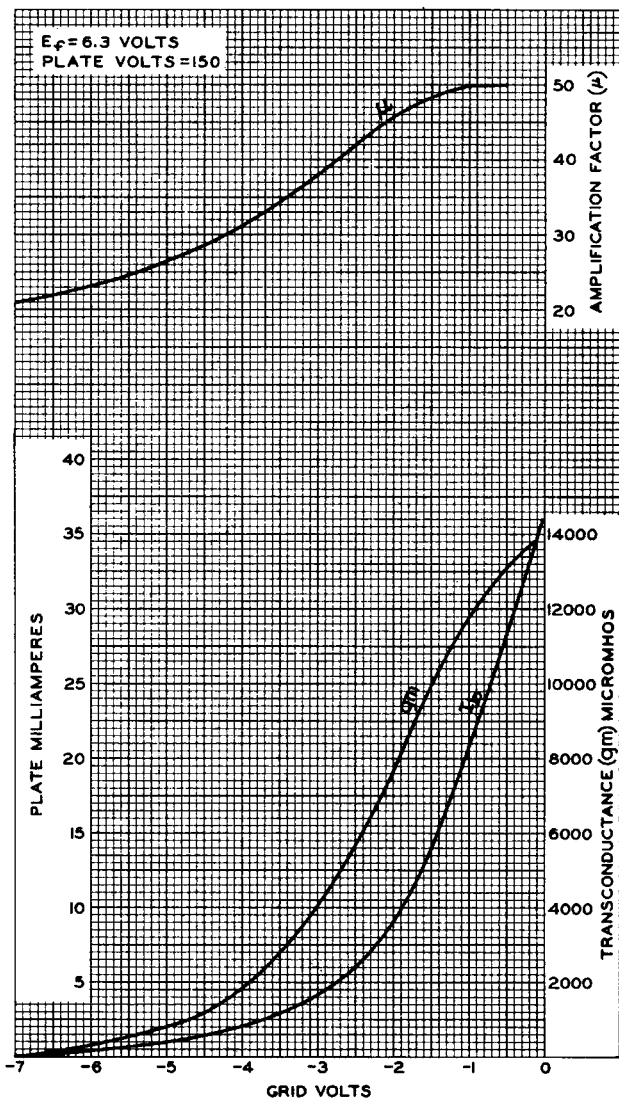
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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