



6AH4-GT

# MEDIUM-MU TRIODE

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## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathode:

Voltage . . . . . 6.3 . . . . . ac or dc volts  
Current . . . . . 0.75 . . . . . amp

Direct Interelectrode Capacitances (No external shield):

Grid to Plate . . . . . 4.4 . . . . .  $\mu$ f  
Input . . . . . 7 . . . . .  $\mu$ f  
Output . . . . . 1.7 . . . . .  $\mu$ f

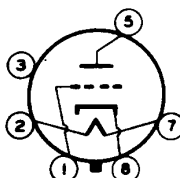
### Characteristics, Amplifier Class A<sub>1</sub>:

Plate Voltage . . . . . 250 volts  
Grid Voltage . . . . . -23 volts  
Amplification Factor . . . . . 8  
Plate Resistance . . . . . 1780 ohms  
Transconductance . . . . . 4500  $\mu$ mhos  
Plate Current . . . . . 30 ma  
Grid Volts (Approx.) for plate  
current of 0.5 ma . . . . . -40 volts

### 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 . . . . . Short Intermediate-Shell Octal 6-Pin  
(JETEC No. B6-60)  
Basing Designation for BOTTOM VIEW . . . . . 8EL

Pin 1-Grid  
Pin 2-Heater  
Pin 3-No  
Conn.



Pin 5-Plate  
Pin 7-Heater  
Pin 8-Cathode

## VERTICAL DEFLECTION AMPLIFIER

### Maximum Ratings, Design-Center Values Except As Noted:

For operation in a 525-line, 30-frame system<sup>□</sup>

DC PLATE VOLTAGE . . . . . 500 max. volts  
PEAK POSITIVE-PULSE PLATE VOLTAGE\* . . . . . 2000<sup>•</sup> max. volts  
DC POSITIVE GRID VOLTAGE . . . . . 0 max. volts  
PEAK NEGATIVE-PULSE GRID VOLTAGE . . . . . -200 max. volts

<sup>□</sup> As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

\* The duration of the voltage pulse must not exceed 15% of one vertical scanning cycle. In a 525-line, 30-frame system, 15% of one vertical scanning cycle is 2.5 milliseconds.

<sup>•</sup> under no circumstances should this absolute value be exceeded.

AUG. 1, 1953

TUBE DEPARTMENT  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

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CATHODE CURRENT:

DC . . . . . 180 max. ma

Peak . . . . . 60 max. ma

PLATE DISSIPATION . . . . . 7.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . 200 max. volts

Heater positive with respect to cathode . 200<sup>▲</sup>max. volts

Maximum Circuit Values:

Grid-Circuit Resistance . . . . . 2.2 max. megohms

<sup>▲</sup> The dc component must not exceed 100 volts.

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