



6AH4-GT

MEDIUM-MU TRIODE

6AH4-GT

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	μuf
Input	7	μuf
Output	1.7	μuf

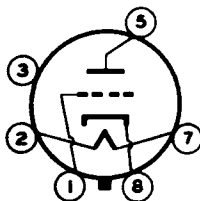
Characteristics, Amplifier Class A₁:

Plate Voltage	250	volts
Grid Voltage	-23	volts
Amplification Factor	8	
Plate Resistance	1780	ohms
Transconductance	4500	μmhos
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[□]

DC PLATE VOLTAGE	500 max.	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE*	2000 [↓] max.	volts
DC POSITIVE GRID VOLTAGE	0 max.	volts
PEAK NEGATIVE-PULSE GRID VOLTAGE.	-200 max.	volts

[□] 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.[↓] 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 [▲] max.	volts

Maximum Circuit Values:

Grid-Circuit Resistance	2.2 max.	megohms
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▲ The dc component must not exceed 100 volts.

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