

6W4GT

Half-Wave Vacuum Rectifier

For Television Damper Service

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3	volts
Current	1.2	amp

Direct Interelectrode Capacitances (Approx.):^a

Plate to cathode and heater	6	μ f
Cathode to plate and heater	13	μ f
Heater to cathode	7	μ f

Mechanical:

Operating Position	Any
Maximum Overall Length	3-5/16"
Maximum Seated Length	2-3/4"
Maximum Diameter	1-9/32"
Dimensional Outline	See <i>General Section</i>
Bulb	T9

Bases (Alternates):

Intermediate-Shell Octal:

- 6 - Pin, Arrangement 1 (JEDEC Group 1, No. B6-8)
- 5 - Pin, Arrangement 2 (JEDEC Group 1, No. B5-82)

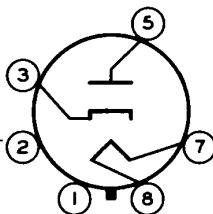
Short Intermediate-Shell Octal with External Barriers:

- 6 - Pin, Arrangement 1 (JEDEC Group 1, No. B6-60)
- 5 - Pin, Arrangement 2 (JEDEC Group 1, No. B5-85)

Basing Designation for BOTTOM VIEW 4CG

Pin 1^b - Same as Pin 2

Pin 2 - Internal Connection—Do Not Use^c



Pin 3 - Cathode
Pin 5 - Plate
Pin 7 - Heater
Pin 8 - Heater

DAMPER SERVICE

Maximum Ratings, Design-Center Values Except as Noted:

For operation in a 525-line, 30-frame system^d

PEAK INVERSE PLATE VOLTAGE

(Absolute maximum) ^e	3850 ^f max.	volts
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PEAK PLATE CURRENT	750 max.	ma
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DC PLATE CURRENT	125 max.	ma
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PLATE DISSIPATION	3.5 max.	watts
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PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode.	2300 ^g max.	volts
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Heater positive with respect to cathode.	300 ^h max.	volts
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← Indicates a change.



RADIO CORPORATION OF AMERICA
Electron Tube Division

Harrison, N. J.

DATA
1-62

6W4GT

Characteristics, Instantaneous Value:

Tube Voltage Drop for plate ma. = 250. . . . 21 volts —

- a Without external shield.
 - b On the 5-pin bases, pin 1 as well as pins 4 and 6 is omitted.
 - c Socket terminals 1, 2, 4 and 6 should not be used as tie points.
 - d As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.
 - e This rating is applicable when the duty cycle of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds. —
 - f Under no circumstances should this absolute-maximum value be exceeded.
 - g The dc component (Absolute maximum) must not exceed 500 volts.
 - h The dc component must not exceed 100 volts. —
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