



6DA4

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# HALF-WAVE VACUUM RECTIFIER

For television damper service

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC) . . . . .	6.3 ± 10%	volts
Current . . . . .	1.2	amp

Direct Interelectrode Capacitances (Approx.):<sup>o</sup>

Plate to cathode and heater . . . . .	6	μf
Cathode to plate and heater . . . . .	8	μf
Heater to cathode . . . . .	3	μf

### Mechanical:

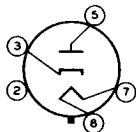
Operating Position . . . . .	Any
Maximum Overall Length . . . . .	3-5/16"
Maximum Seated Length . . . . .	2-3/4"
Maximum Diameter . . . . .	1-9/32"
Dimensional Outline . . . . .	See General Section
Bulb . . . . .	T9

Base . . . . . Intermediate-Shell Octal 5-Pin, Arrangement 2 (JEDEC Group 1, No. B5-82), Intermediate-Shell Octal 6-Pin, Arrangement 1 (JEDEC Group 1, No. B6-8), Short Intermediate-Shell Octal 5-Pin with External Barriers, Arrangement 2 (JEDEC Group 1, No. B5-85), or Short Intermediate-Shell Octal 6-Pin with External Barriers, Arrangement 1 (JEDEC Group 1, No. B6-60)

Basing Designation for BOTTOM VIEW . . . . . 4CG

Pin 1 ♦ - Same as Pin 2

Pin 2 - Internal Connection - Do Not Use



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

## DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

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

PEAK INVERSE PLATE VOLTAGE*	4400 max.	volts
PEAK PLATE CURRENT . . . . .	900 max.	ma
DC PLATE CURRENT . . . . .	155 max.	ma
PLATE DISSIPATION . . . . .	5.5 max.	watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . . . . .	4400 <sup>▲</sup> max.	volts
Heater positive with respect to cathode . . . . .	300 <sup>*</sup> max.	volts

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### Characteristics:

Tube-Voltage Drop for plate  
ma. = 250 . . . . . 22 volts

- Without external shield.
- ◆ On the 5-pin bases, pin 1 as well as pins 4 and 6 is omitted.
- Socket terminals 1, 2, 4 and 6 should not be used as tie points.
- As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.
- \* 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.
- ▲ The dc component must not exceed 900 volts.
- # The dc component must not exceed 100 volts.