



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.):^o

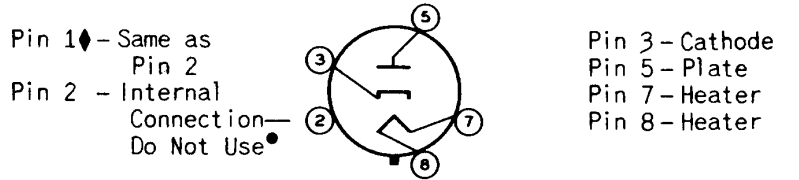
Plate to cathode and heater	6	μf
Cathode to plate and heater	8	μf
Heater to cathode	3	μf

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



DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

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

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[▲] max. volts
 Heater positive with respect to cathode . 300^{*} 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.