

Half-Wave Vacuum Rectifier

Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC). 6.3 ± 0.6 volts

Current at heater volts = 6.3 1.200 amp

Maximum heater-cathode voltage:

Heater negative with
respect to cathode:

Peak. 5500 volts

DC component. 900 volts

Heater positive with
respect to cathode:

Peak. 300 volts

DC component. 100 volts

Direct Interelectrode Capacitances

(Approx.):

P to (K,H). 5.0 pf

K to (P,H). 8.5 pf

Heater to cathode 4.0 pf

Mechanical:

Operating Position. Any

Maximum Overall Length. $3-7/16"$

Maximum Seated Length $2-7/8"$

Maximum Diameter. $1-9/32"$

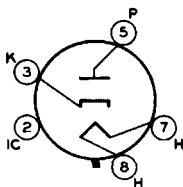
Dimensional Outline See *General Section*

Bulb. T9

Base. . . . Short Intermediate-Shell Octal 5-Pin (JEDEC B5-49)

Basing Designation for BOTTOM VIEW. 4CG

Pin 2 - Do Not Use^a
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

Peak Inverse Plate Voltage ^b	5500	volts
Peak Plate Current	1000	ma
DC Plate Current	175	ma
Plate Dissipation.	6	watts

Characteristics, Instantaneous Value:

Tube Voltage Drop for plate ma = 250	32	volts
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^a Socket terminals 1, 2, 4, and 6 should not be used as tie points.

^b 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.

