

6DQ4

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

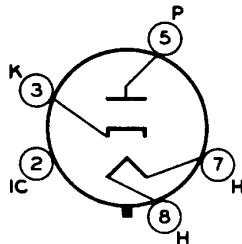
Direct Interelectrode Capacitances

(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 <i>General Section</i>
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



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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.

