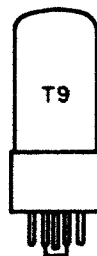
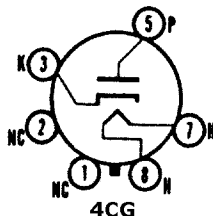


**DAMPER**

**6W4GT**  
**25W4GT**

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Construction .....           | Octal T-9                                       |
| Base .....                   | Octal 5 or 6 Pin, B5-82<br>B5-85, B6-8 or B6-60 |
| Basing <sup>(1)</sup> .....  | 4CG                                             |
| Outline .....                | 9-11 or 9-41                                    |
| Maximum Diameter .....       | 1.188 In.                                       |
| Maximum Seated Height .....  | 2.750 In.                                       |
| Maximum Overall Height ..... | 3.312 In.                                       |



## ELECTRICAL DATA

### HEATER OPERATION

|                                         | 25W4GT | 6W4GT     |
|-----------------------------------------|--------|-----------|
| Heater Voltage.....                     | 25     | 6.3 Volts |
| Heater Current .....                    | 300    | 1200 Ma   |
| Maximum Heater-Cathode Voltage          |        |           |
| Heater Negative with Respect to Cathode |        |           |
| DC (Abs. Max.) .....                    | 500    | 500 Volts |
| Total DC and Peak (Abs. Max.) .....     | 2300   | — Volts   |
| Heater Positive with Respect to Cathode |        |           |
| DC .....                                | 100    | 100 Volts |
| Total DC and Peak.....                  | 300    | 200 Volts |

### DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

| DIRECT INTERELECTRODE CAPACITANCES (pF/INCHES) |       |        |
|------------------------------------------------|-------|--------|
|                                                | 6W4GT | 25W4GT |
| Heater to Cathode .....                        | 7.0   | 11 Pf  |
| Plate to Cathode and Heater.....               | 6.0   | 6.0 Pf |
| Cathode to Plate and Heater.....               | 13    | 17 Pf  |

**RATINGS (Design Center Rating System)**

### Damper Service<sup>(2)</sup>

|                                        |            |
|----------------------------------------|------------|
| Peak Inverse Plate Voltage (Abs. Max.) | 3850 Volts |
| Plate Dissipation (Max.)               | 3.5 Watts  |
| Steady State Peak Current (Max.)       | 750 Ma     |
| DC Plate Current (Max.)                | 125 Ma     |

## CHARACTERISTICS AND TYPICAL OPERATION

**Tube Voltage Drop for  $I_b = 250 \text{ Ma}$  ..... 21 Volts**

**NOTES:**

- (1) Pins 1, 2, 4, and 6 should not be used as tie points. Pin 1 omitted on bases B5-82 and B5-85.
- (2) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.