THE 6W4GT IS A HALF-WAVE HIGH VACUUM RECTIFIER DESIGNED ESPECIALLY FOR USE AS A DAMPING DIODE IN TELEVISION DEFLECTION CIRCUITS. IT CAN ALSO BE USED IN CONVENTIONAL RECTIFIER APPLICATIONS.

**DIRECT INTERELECTRODE CAPACITANCES - APPROX.**

- HEATER TO CATHODE: H TO K 7.0 µµf
- CATHODE TO PLATE AND HEATER: K TO (P+H) 13 µµf
- PLATE TO CATHODE AND HEATER: P TO (K+H) 6.0 µµf

**RATINGS**

**INTERPRETED ACCORDING TO RMA STANDARD NO.210**

**DAMPER DIODE**

- HEATER VOLTAGE 6.3 VOLTS
- HEATER CURRENT 1.2 AMP.
- MAXIMUM PEAK INVERSE PLATE VOLTAGE (ABSOLUTE MAXIMUM) 3,850 VOLTS
- MAXIMUM HEATER-CATHODE VOLTAGE:
  - HEATER NEGATIVE WITH RESPECT TO CATHODE (ABSOLUTE MAX.)
    - DC 500 VOLTS
    - TOTAL DC AND PEAK 2,300 VOLTS
  - HEATER POSITIVE WITH RESPECT TO CATHODE
    - DC 100 VOLTS
    - TOTAL DC AND PEAK 300 VOLTS
- MAXIMUM DC PLATE CURRENT 125 MA.
- MAXIMUM PEAK PLATE CURRENT 750 MA.
- MAXIMUM PLATE DISSIPATION 3.5 WATTS
- TUBE VOLTAGE DROP (WITH TUBE CONDUCTING 250 MA.) 21 VOLTS

**A** DESIGN CENTER VALUES EXCEPT WHERE ABSOLUTE MAXIMUM IS STATED

**B** FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION STATIONS; FEDERAL COMMUNICATIONS COMMISSION". THE DUTY CYCLE OF THE HORIZONTAL VOLTAGE PULSE NOT TO EXCEED 15% OF A SCANNING CYCLE. POWER RECTIFIER OPERATION IS NOT RECOMMENDED.