THE 6877 IS A HARD GLASS, LOW-MU TRIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR SERVICE AS A PASSING OR REGULATOR TUBE IN REGULATED DC POWER SUPPLIES, CAPABLE OF OPERATION AT HIGH TEMPERATURES AND HIGH ALTITUDES.

HEATER CHARACTERISTICS AND RATINGS

**ABSOLUTE MAXIMUM VALUES – SEE EIA STANDARD RS-239**

- **AVERAGE CHARACTERISTICS**: 6.3 VOLTS, 800 mA
- **CATHODE HEATING TIME**: 30 SECONDS
- **LIMITS OF APPLIED VOLTAGE**: 6.3±0.3 VOLTS
- **HEATER-CATHODE VOLTAGE**:
  - HEATER NEGATIVE WITH RESPECT TO CATHODE: 450 VOLTS
  - HEATER POSITIVE WITH RESPECT TO CATHODE: 450 VOLTS

MAXIMUM RATINGS

**ABSOLUTE MAXIMUM RATINGS – SEE EIA STANDARD RS-239**

- **PLATE VOLTAGE**: 200 VOLTS
- **POSITIVE DC GRID VOLTAGE**: 5.0 VOLTS
- **NEGATIVE DC GRID VOLTAGE**: 150 VOLTS
- **PLATE DISSIPATION**: 12 WATTS
- **DC CATHODE CURRENT**: 100 mA
- **DC GRID CURRENT**: 5 mA
- **GRID CIRCUIT RESISTANCE**: 1 MEGOHM
CONTINUED FROM PRECEDING PAGE

CHARACTERISTICS AND TYPICAL OPERATION

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tbody>
<tr>
<td>PLATE VOLTAGE</td>
<td>150 VOLS</td>
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<tr>
<td>GRID VOLTAGE</td>
<td>-12 VOLS</td>
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<tr>
<td>PLATE CURRENT</td>
<td>75 mA</td>
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<td>TRANSCONDUCTANCE</td>
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<td>AMPLIFICATION FACTOR</td>
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<td>PLATE RESISTANCE</td>
<td>2,000 OHMS</td>
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SPECIAL TESTS AND RATINGS

SHOCK
VIBRATION
HEATER-CYCLING LIFE
INTERMITTENT LIFE

BULB TEMPERATURE – ABSOLUTE MAX. 300 °C.
ALTITUDE – ABSOLUTE MAX. 80,000 Ft.