The 6067 is a twin triode with the same characteristics as type 12AU7. It can be used as an audio-frequency amplifier or as a combined oscillator and mixer. It is designed for trustworthy operation under adverse conditions of vibration and mechanical shock.

**MECHANICAL DATA**

Coated unipotential cathodes.
Outline drawing .................. 6-2  Bulb ......................... T-6½
Base .............................. B9-1  Small glass button 9-pin
Maximum diameter .................. 7/8"  
Maximum overall length .................. 2-3/16"  
Maximum seated height .................. 1-15/16"  
Pin connections ........................ Basing number 9A

Pin 1 = Plate (No. 2)  Pin 6 = Plate (No. 1)
Pin 2 = Grid (No. 2)  Pin 7 = Grid (No. 1)
Pin 3 = Cathode (No. 2)  Pin 8 = Cathode (No. 1)
Pin 4 = Heater  Pin 9 = Heater centre tap.
Pin 5 = Heater

Mounting position .................. any
Maximum shock (in intermittent operation) .................. 550 g
Vibration (continuous service) .................. 2½ g
Mechanical resonance .................. None below 100 c/s

**ELECTRICAL DATA**

Direct interelectrode capacitances ※

<table>
<thead>
<tr>
<th>Triode No. 1</th>
<th>Triode No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to plate: (g to p)</td>
<td>1.5</td>
</tr>
<tr>
<td>Input: (g to k+h)</td>
<td>1.6</td>
</tr>
<tr>
<td>Output: (p to k+h)</td>
<td>0.5</td>
</tr>
</tbody>
</table>

※ Without external shield.

Page 1 of 2
**Ratings (each unit)**

Heater voltage (ac or dc) 12.6 volts (series): 6.3 volts (parallel)
Maximum heater-cathode voltage ................................................. 90 volts
Maximum plate voltage ................................................................ 300 volts
Maximum negative dc grid voltage ................................................... -50 volts
Maximum positive dc grid voltage .................................................... 0 volts
Maximum plate dissipation ................................................................. 2.75 watts
Maximum cathode current ................................................................. 20 mA
Maximum grid circuit resistance (fixed bias) ................................. 0.25 megohm
Maximum grid circuit resistance (self bias) ................................. 1.0 megohm

**Typical operating conditions and characteristics, class A1 amplifier (each unit)**

<table>
<thead>
<tr>
<th></th>
<th>12.6</th>
<th>6.3</th>
<th>12.6</th>
<th>6.3 volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heater voltage</td>
<td>150</td>
<td>300</td>
<td>150</td>
<td>300 mA</td>
</tr>
<tr>
<td>Heater current</td>
<td>100</td>
<td>300</td>
<td>150</td>
<td>250 volts</td>
</tr>
<tr>
<td>Plate voltage</td>
<td>0</td>
<td>0</td>
<td>-8.5</td>
<td>10.5 mA</td>
</tr>
<tr>
<td>Grid voltage</td>
<td>11.8</td>
<td>6,500</td>
<td>7,700</td>
<td>ohms</td>
</tr>
<tr>
<td>Plate resistance</td>
<td>3,100</td>
<td>2,200</td>
<td>17</td>
<td>µmhos</td>
</tr>
<tr>
<td>Transconductance</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amplification factor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>