MEDIUM-MU TWIN TRIODE

GENERAL DATA

Electrical:
Heater, for Unipotential Cathodes:
  Voltage .................................. 12.6 ...., ac or dc volts
  Current .................................. 0.15 ...... amp
Direct Interelectrode Capacitances (Approx.):

<table>
<thead>
<tr>
<th>Unit No. 1</th>
<th>Unit No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to plate</td>
<td>3</td>
</tr>
<tr>
<td>Grid to cathode and heater</td>
<td>2.8</td>
</tr>
<tr>
<td>Plate to cathode and heater</td>
<td>2.6</td>
</tr>
<tr>
<td>Plate of unit No. 1 to plate of unit No. 2</td>
<td>0.4</td>
</tr>
<tr>
<td>Grid of unit No. 1 to grid of unit No. 2</td>
<td>0.06</td>
</tr>
</tbody>
</table>

Characteristics, Class A Amplifier (Each unit):

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate Voltage</td>
<td>100</td>
</tr>
<tr>
<td>Grid Voltage</td>
<td>-3.6</td>
</tr>
<tr>
<td>Amplification Factor</td>
<td>16</td>
</tr>
<tr>
<td>Plate Resistance</td>
<td>10300</td>
</tr>
<tr>
<td>Transconductance</td>
<td>1550</td>
</tr>
<tr>
<td>Plate Current</td>
<td>3.7</td>
</tr>
<tr>
<td>Grid Voltage (Approx.) for plate current of 10 µamp</td>
<td>-8.5</td>
</tr>
</tbody>
</table>

Mechanical:
Mounting Position ........................................... Any
Maximum Overall Length .................................... 3-1/16"
Maximum Seated Length ..................................... 2-1/2"
Maximum Diameter .......................................... 1-9/32""
Dimensional Outline ........................................ See General Section
Bulb ......................................................... T-9
Base ........ Intermediate-Shell Octal 8-Pin (JETEC No. BB-6)
Basing Designation for BOTTOM VIEW ...................... BBE

Pin 1 - Grid of Unit No. 2
Pin 2 - Cathode of Unit No. 2
Pin 3 - Plate of Unit No. 2
Pin 4 - Cathode of Unit No. 1
Pin 5 - Grid of Unit No. 1
Pin 6 - Plate of Unit No. 1
Pin 7 - Heater
Pin 8 - Heater

O with external shield JETEC No. 308 connected to cathode of unit under test.

SEPT. 1, 1955

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY
AMPLIFIER - Class A₁

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE .......................... 180 max. volts
PLATE-SUPPLY VOLTAGE .................. 300 max. volts
PLATE DISSIPATION ....................... 1.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode. 200 max. volts
Heater positive with respect to cathode. 200*max. volts

* The dc component must not exceed 100 volts.