DYNAMIC COUPLED POWER AMPLIFIER

UNIPOTENTIAL CATHODES

HEATER
6.3 VOLTS 0.8 AMPERE
AC OR DC

GLASS BULB
MEDIUM 7 PIN OCTAL BASE


OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

OUTPUT PLATE (3) VOLTAGE 250 300 325 MAX. VOLTS
INPUT PLATE (4) VOLTAGE 250 300 325 MAX. VOLTS
INPUT GRID (5) VOLTAGE 0 0 0 VOLTS
GRID CIRCUIT RESISTANCE MAX. 0.5 0.5 0.5 MEGOHM
OUTPUT PLATE CURRENT 33 45 51 MA.
INPUT PLATE CURRENT 6.5 8 9 MA.
PLATE RESISTANCE 24100 OHMS
TRANSCONDUCTANCE 2400 UAMHOS
AMPLIFICATION FACTOR 58
LOAD RESISTANCE 7000 7000 7000 OHMS
SIGNAL VOLTS (RMS) $ 13.5 15 17 VOLTS
TOTAL HARMONIC DISTORTION 5 5 5 PER CENT
POWER OUTPUT 2.5 4 5.2 WATTS

(3) BASE PIN #3 (4) BASE PIN #4 (5) BASE PIN #5
$ FOR RATED POWER OUTPUT

NOTE: THE VOLTAGE BETWEEN HEATER AND CATHODE SHOULD NOT EXCEED 50 VOLTS AND IN NO CASE SHOULD THE HEATER BE LEFT FLOATING.
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Value 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output plate (3) voltage</td>
<td>250</td>
<td>300</td>
<td>325 MAX. VOLTS</td>
</tr>
<tr>
<td>Input plate (4) voltage</td>
<td>250</td>
<td>300</td>
<td>325 MAX. VOLTS</td>
</tr>
<tr>
<td>Input grid (5) voltage</td>
<td>0</td>
<td>0</td>
<td>0 VOLTS</td>
</tr>
<tr>
<td>Grid circuit resistance MAX.</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5 MEGOHM</td>
</tr>
<tr>
<td>Output plate current per tube</td>
<td>33</td>
<td>45</td>
<td>51 MA.</td>
</tr>
<tr>
<td>Input plate current per tube</td>
<td>6.5</td>
<td>8</td>
<td>9 MA.</td>
</tr>
<tr>
<td>Load resistance plate to plate</td>
<td>10000</td>
<td>10000</td>
<td>10000 OHMS</td>
</tr>
<tr>
<td>Signal volts (RMS) grid to grid</td>
<td>38</td>
<td>38</td>
<td>42 VOLTS</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>5</td>
<td>5</td>
<td>5 WATTS</td>
</tr>
<tr>
<td>Power output</td>
<td>8.5</td>
<td>10</td>
<td>13.5 WATTS</td>
</tr>
</tbody>
</table>

(3): Base pin 3
(4): Base pin 4
(5): Base pin 5

*For rated power output*