### CLASS B TWIN AMPLIFIER

<table>
<thead>
<tr>
<th>Heater</th>
<th>Coated Unipotential Cathode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>2.5 a-c or d-c volts</td>
</tr>
<tr>
<td>Current</td>
<td>2.0 amp.</td>
</tr>
</tbody>
</table>

For additional data and curves, see Types 6N7 and 6A6, and the RESISTANCE-COUPLED AMPLIFIER CHART. The operating conditions and characteristics of the 53 are identical with those of the 6N7 and 6A6 except for heater voltage and current. The physical characteristics of the 53 are the same as those of the 6A6.
OPERATION CHARACTERISTICS

$E_f = 2.5$ VOLTS

INPUT-CLASS A-ONE TYPE 56
PLATE VOLTS = 250  GRID VOLTS = -13.5

OUTPUT-CLASS B-ONE TYPE 53
PLATE VOLTS = 300  GRID VOLTS = 0

INPUT TRANSFORMER - OUR DESIGN No. 5-99
- VOLTAGE RATIO $V_{2360} = 5.0$
- PEAK PLATE EFF = 70 %

OUTPUT LOAD, PLATE TO PLATE = 10000 OHMS

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RCA MANUFACTURING COMPANY, INC.  925-5320