The 3CX400A7/8874 is a compact high-mu power triode intended for use in zero bias Class B amplifiers in audio or RF applications. Operation with zero bias simplifies circuitry and cathode driven operation is attractive since a power gain as high as twenty can be obtained.

### CHARACTERISTICS
- **Plate Dissipation (Max.)**: 400 Watts
- **Screen Dissipation (Max.)**: ---
- **Grid Dissipation (Max.)**: 5 Watts
- **Frequency for Max. rating (CW)**: 500 MHz
- **Amplification Factor**: 240
- **Filament/Cathode**: Oxide Coated
  - Voltage: 6.3 Volts
  - Current: 3.0 Amps
- **Capacitance**: Grounded Grid
  - Input: 20.5 pf
  - Output: 6.0 pf
  - Feedthrough: 0.3 pf
- **Cooling**: Forced Air
- **Base**: 11 pin with ring
- **Air Socket**: SK-1900
- **Air Chimney**: SK-606
- **Length**: 2.14 in; 54.40 mm
- **Diameter**: 1.64 in; 41.70 mm
- **Weight**: 4.3 oz; 122 gm

### MAXIMUM RATINGS

<table>
<thead>
<tr>
<th>Class of Operation</th>
<th>Type of Service</th>
<th>Plate Voltage (Volts)</th>
<th>Plate Current (Amps)</th>
<th>Screen Voltage (Volts)</th>
<th>Plate Current (Amps)</th>
<th>Drive Power (Watts)</th>
<th>Output Power (kiloWatts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB2</td>
<td>Cathode driven RF linear amplifier (30 MHz)</td>
<td>2,200</td>
<td>0.35</td>
<td>2,000</td>
<td>---</td>
<td>0.50</td>
<td>26</td>
</tr>
<tr>
<td>AB2</td>
<td>Cathode driven RF linear amplifier (150 MHz)</td>
<td>2,200</td>
<td>0.35</td>
<td>2,000</td>
<td>---</td>
<td>0.40</td>
<td>17.5</td>
</tr>
<tr>
<td>AB2</td>
<td>Cathode driven RF linear amplifier (432 MHz)</td>
<td>2,200</td>
<td>0.35</td>
<td>2,000</td>
<td>---</td>
<td>0.50</td>
<td>27</td>
</tr>
<tr>
<td>---</td>
<td>Pulse modulator or regulator</td>
<td>4,500</td>
<td>6.0</td>
<td>---</td>
<td>---</td>
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<td>---</td>
</tr>
</tbody>
</table>

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.