BEAM POWER AMPLIFIER

GENERAL DATA

Electrical:
Filament, Coated:

<table>
<thead>
<tr>
<th>Filament Arrangement</th>
<th>Series*</th>
<th>Parallel**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage.</td>
<td>2.8</td>
<td>1.4</td>
</tr>
<tr>
<td>Current.</td>
<td>0.05</td>
<td>0.1</td>
</tr>
</tbody>
</table>

dc volts  amp

Mechanical:
Mounting Position      . Any
Maximum Overall Length 2-25/32"
Maximum Seated Length 2-1/4"
Maximum Diameter       1-3/16"
Bulb                   T-9
Base                   Lock-in 8-Pin
Basing Designation for ECTTOP VIEW 6EB

Pin 1-Filament
Pin 2-Plate
Pin 3-Grid No.2
Pin 4-No
Connection
Pin 5-No
Connection

Pin 6-Grid No.1
Pin 7-Filament
Mid-Tap
Grid No.3
Pin 8-Filament
Plug - Base
Shell

AF POWER AMPLIFIER - Class A1

Maximum Ratings, Design-Center Values:

<table>
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<tr>
<th>Filament Arrangement</th>
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<th>Parallel**</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATE VOLTAGE</td>
<td>110 max.</td>
<td>110 max.</td>
</tr>
<tr>
<td>GRID-No.2 (SCREEN) VOLTAGE</td>
<td>110 max.</td>
<td>110 max.</td>
</tr>
<tr>
<td>TOTAL CATHODE CURRENT</td>
<td>6 max.</td>
<td>12 max.</td>
</tr>
<tr>
<td></td>
<td>volts</td>
<td>ma</td>
</tr>
</tbody>
</table>

Typical Operating Conditions and Characteristics are the same as those for Type 3Q5-GT.
Curves shown under Type 3Q5-GT also apply to the 3LF4 with filaments connected in parallel.

* A resistor of 270 ohms must be used in parallel with the negative section of the filament (Pins 7 and 8) in order to insure that the value of 6.0 ma total cathode current for each 1.4-volt section of the filament is not exceeded. When other tubes in series filament circuits contribute to the filament current of the 3LF4, an additional shunt resistor between pins 1 and 8 will be required.

** For parallel operation, connect pins 1 and 8 to the positive of the voltage supply and pin 7 to the negative.