Medium-Mu Twin Triode

9-PIN MINIATURE TYPE
With Heater Having Controlled Warm-Up Time

The 4BQ7A is the same as the 6BQ7A except for the following items:

Heater Characteristics and Ratings (Design-Center Values):

- Current: 0.600 ± 0.040 amp
- Voltage (AC or DC) at heater:
  - current = 0.600: 4.2 volts
  - Warm-up time (Average): 11 sec

4BS8

Medium-Mu Twin Triode

9-PIN MINIATURE TYPE
With Heater Having Controlled Warm-Up Time

The 4BS8 is the same as the 6BS8 except for the following items:

Heater Characteristics and Ratings (Design-Center Values):

- Current: 0.600 ± 0.040 amp
- Voltage (AC or DC) at heater:
  - current = 0.600: 4.5 volts
  - Warm-up time (Average): 11 sec

4BU8

Sharp-Cutoff Twin Pentode
With Common Cathode, Grid No.1, & Grid No.2

9-PIN MINIATURE TYPE
With Heater Having Controlled Warm-Up Time

The 4BU8 is the same as the 6BU8 except for the following items:

Heater Characteristics and Ratings (Design-Maximum Values):

- Current: 0.450 ± 0.030 amp
- Voltage (AC or DC) at heater:
  - current = 0.450: 4.2 volts
  - Warm-up time (Average): 11 sec
Semiremote-Cutoff Pentode

7-PIN MINIATURE TYPE
With Heater Having Controlled Warm-Up Time

The 4BZ6 is the same as the 6BZ6 except for the following items:

Heater Characteristics and Ratings (Design-Maximum Values):

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0.450 ± 0.030 amp</td>
</tr>
<tr>
<td>Voltage (AC or DC) at heater, current = 0.450</td>
<td>4.2 volts</td>
</tr>
<tr>
<td>Warm-up time (Average)</td>
<td>11 sec</td>
</tr>
</tbody>
</table>

4BZ7

Medium-Mu Twin Triode

9-PIN MINIATURE TYPE
With Heater Having Controlled Warm-Up Time

The 4BZ7 is the same as the 6BZ7 except for the following items:

Heater Characteristics and Ratings (Design-Center Values):

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0.600 ± 0.040 amp</td>
</tr>
<tr>
<td>Voltage (AC or DC) at heater, current = 0.600</td>
<td>4.2 volts</td>
</tr>
<tr>
<td>Warm-up time (Average)</td>
<td>11 sec</td>
</tr>
</tbody>
</table>

4CB6

Sharp-Cutott Pentode

7-PIN MINIATURE TYPE
With Heater Having Controlled Warm-Up Time

The 4CB6 is the same as the 6CB6 except for the following items:

Heater Characteristics and Ratings (Design-Center Values):

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0.450 ± 0.030 amp</td>
</tr>
<tr>
<td>Voltage (AC or DC) at heater, current = 0.450</td>
<td>4.2 volts</td>
</tr>
<tr>
<td>Warm-up time (Average)</td>
<td>11 sec</td>
</tr>
<tr>
<td>Peak heater-cathode voltage:</td>
<td></td>
</tr>
<tr>
<td>Heater negative with respect to cathode.</td>
<td>300 max. volts</td>
</tr>
<tr>
<td>Heater positive with respect to cathode.</td>
<td>200 max. volts</td>
</tr>
</tbody>
</table>

* The dc component must not exceed 200 volts.

* The dc component must not exceed 100 volts.