VOLTAGE REGULATOR
MINIATURE GLOW-DISCHARGE TYPE

GENERAL DATA

Electrical:
Cathode.......................... Cold

Mechanical:
Mounting Position................ Any
Maximum Overall Length............. 2-5/8"
Maximum Seated Length.............. 2-3/8"
Length, Base Seat to Bulb Top (Excluding tip)........ 2" ± 3/32"
Maximum Diameter.................. 3/4"
Weight (Approx.)................... 0.3 oz
Bulb.............................. T-5-1/2
Base.................... Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for BOTTOM VIEW.............. 5B0

Pin 1 – Anode
Pin 2 – Cathode
Pin 3 – Internal Connection–
Connection–
Do Not Use
Pin 4 – Cathode
Pin 5 – Anode
Pin 6 – Internal Connection–
Do Not Use
Pin 7 – Cathode

Maximum and Minimum Ratings, Absolute Values:
AVERAGE STARTING CURRENT†................ 75 max. ma
DC CATHODE CURRENT ................ { 30 max. ma
{ 5 min. ma
FREQUENCY...................... 0 max. cps
AMBIENT-TEMPERATURE RANGE................... -55 to +90 °C

Circuit Values:
Shunt Capacitor...................... 0.1 max. µuf
Series Resistor....................... See note below

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Min.</th>
<th>Av.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Anode-Supply Voltage.</td>
<td>133*</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Anode Breakdown Voltage.</td>
<td>–</td>
<td>115</td>
<td>133*</td>
</tr>
<tr>
<td>Anode Voltage Drop</td>
<td>101*</td>
<td>108</td>
<td>114*</td>
</tr>
<tr>
<td>Regulation (5 to 30 ma)</td>
<td>–</td>
<td>1</td>
<td>4*</td>
</tr>
</tbody>
</table>

† Averaged over starting period not exceeding 10 seconds. This starting period must be followed by a steady-state operating condition of at least 20 minutes, or tube performance will be impaired.

‡ Not less than indicated supply voltage should be provided to insure "starting" throughout tube life.

* Maximum individual tube value during useful life.

+ Minimum individual tube value during useful life.

The operating considerations and circuit information shown under Type OA2 also apply to Type OB2

Indicates a change.