MECHANICAL DATA

Bulb ........................................ T-11
Base1 ....................................... Modified Duodecal
Outline .................................. See Drawing
Basing ................................... See Drawing
Output Cathodes ....................... No. 0 thru 9
Zero Position ......................... No. 0 Cathode Aligned
     with Pin No. 12 ± 10°
Mounting Position .................... Any

ELECTRICAL DATA

INTERELECTRODE CAPACITANCES (Approx.)

Any Cathode to All Other Elements ........ 4.2 pf
Guide No. 2 to All Other Elements ........ 10 pf
Guide No. 1 to All Other Elements ........ 11 pf

RATINGS (Absolute Values)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anode Supply Voltage</td>
<td>350</td>
<td>800</td>
</tr>
<tr>
<td>Voltage Between Electrodes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Other than Anode)</td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>Transfer Voltage</td>
<td>35</td>
<td>140</td>
</tr>
<tr>
<td>Anode Current</td>
<td>0.3</td>
<td>0.6 Ma</td>
</tr>
<tr>
<td>Input Frequency</td>
<td>0</td>
<td>4 Kpps</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-55</td>
<td>+60 °C</td>
</tr>
</tbody>
</table>

TYPICAL OPERATING CHARACTERISTICS

Anode Supply Voltage                  | 350 Volts
Nominal Tube Drop                     | 187 Volts
Guide Bias                             | +35 Volts Min.
Square Double Pulse Drive Amplitude   | -75 Volts Min.
     (Each Pulse)                      |
Square Double Pulse Width (Each Pulse) | 60 μSec. Min.
Forced Reset Pulse Amplitude          | -120 Volts Min.
Forced Reset Pulse Width               | 50 μSec. Min.
Cathode Load Resistor                 | 150 K-Ohms Max.

NOTES:

1. Sockets are available from Sylvania Electric Products Inc., 1035 Westminster, Williamsport, Pennsylvania. (Part No. 7460-0008)
2. A value for the anode resistor can be computed by subtracting the nominal tube drop from the supply voltage and dividing the remainder by the desired operating current.
3. Two separate pulses, back to back or with slight overlap, must be maintained.
4. The peak pulse output voltage can be determined by the IR drop across the chosen cathode resistor.
5. A counter tube brochure is available on request from Sylvania Electric Products Inc., 1100 Main Street, Buffalo 9, New York.