MECHANICAL DATA

Bulb ........................................ T-12
Base1 ....................................... Octal Low Loss Phenolic 5-Pin
Basing ....................................... 5T
Cathode ..................................... Filamentary
Mounting Position .......................... Vertical2

RATINGS

Shock (Intermittent Service-Abs. Max.) .... 450 g
Vibration (Continuous Service-Design Center) .... 2.5 g
Mechanical Resonance ......................... None Below 100 cps

ELECTRICAL DATA

FILAMENT CHARACTERISTICS

Filament Voltage (Avg.) ...................... 5.0 Volts
AC Filament Voltage (Abs. Max.) .......... 5.5 Volts
AC Filament Voltage (Design Center) .... 5.0 Volts
Filament Current (Avg.) .................... 3.0 Amperes
Filament Current (Max.)3 .................. 3.3 Amperes
Filament Current (Min.) ................... 2.7 Amperes

RATINGS

<table>
<thead>
<tr>
<th>Absolute Max.</th>
<th>Design Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Inverse Plate Voltage ............. 1700</td>
<td>1550 Volts</td>
</tr>
<tr>
<td>Peak Plate Current Each Plate .......... 750</td>
<td>675 Ma</td>
</tr>
<tr>
<td>Transient Peak Plate Current Each Plate</td>
<td>2.5</td>
</tr>
<tr>
<td>DC Output Current ......................... 250</td>
<td>225 Ma</td>
</tr>
<tr>
<td>Tube Voltage Drop at 225 Ma Each Plate ..</td>
<td>58 Volts</td>
</tr>
</tbody>
</table>

TYPICAL OPERATION

Full-Wave Rectifier — Capacitor Input
AC Plate Voltage Each Plate (RMS) ......... 450 Volts
Total Minimum Plate Supply Impedance Each Plate .......... 75 Ohms
DC Output Current .......................... 225 Ma

Full-Wave Rectifier — Choke Input
AC Plate Voltage Each Plate (RMS) .......... 550 Volts
Minimum Input Choke Inductance .......... 3 Henrys
DC Output Current .......................... 225 Ma

NOTES:

1. Maximum Base dielectric loss factor is 0.1. Reference: ASTM Designation D-150-47T.

2. Horizontal mounting permissible if Pins 1 and 4 are in a vertical plane.

3. Limits given here are the extremes which may be found in production.