TUNG-SOL

DOUBLE DIODE

COATED UNIPOTENTIAL CATHODE

HEATER
50 VOLS 150 MA.
AC OR DC
ANY MOUNTING POSITION

GLASS BULB

THE 50X6 COMBINES TWO INDEPENDENT DIODES IN THE LOCK-IN CONSTRUCTION PERMITTING THE TUBE TO BE USED AS A POWER RECTIFIER IN EITHER HALF-WAVE, FULL-WAVE, OR VOLTAGE DOUBLER APPLICATIONS.

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE 50 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE 350 VOLTS
MAXIMUM INVERSE PLATE VOLTAGE 700 VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT PER PLATE 450 MA.
MAXIMUM DC OUTPUT CURRENT PER PLATE 75 MA.
TUBE VOLTAGE DROP (MEASURED WITH TUBE CONDUCTING 150 MA. AT PLATE) 22 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

VOLTAGE DOUBLER

<table>
<thead>
<tr>
<th></th>
<th>HALF WAVE</th>
<th>FULL WAVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEATER VOLTAGE</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>HEATER CURRENT</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>AC PLATE VOLTAGE EACH PLATE RMS</td>
<td>117</td>
<td>117</td>
</tr>
<tr>
<td>FILTER INPUT CONDENSER</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>DC OUTPUT CURRENT</td>
<td>75</td>
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</tbody>
</table>

HALF-WAVE RECTIFIER

<table>
<thead>
<tr>
<th></th>
<th>SINGLE SECTION</th>
<th>CONDENSER INPUT FILTER</th>
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<tbody>
<tr>
<td>HEATER VOLTAGE</td>
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SIMILAR TYPE REFERENCE: Electrically equivalent to 5077QF without pilot lamp.