TUNG-SOL

TWIN DIODE HIGH VACUUM RECTIFIER

VOLTAGE DOUBLER

UNIPOTENTIAL CATHODES

HEATER
25 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB

INTERMEDIATE 7 PIN OCTAL BASE


RATINGS:

MAXIMUM AC PLATE VOLTAGE (RMS) 235 VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL 350 VOLTS
MAXIMUM PEAK INVERSE VOLTAGE 700 VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE 450 MA.
TUBE VOLTAGE DROP
AT 150 MA. PER PLATE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

VOLTAGE DOUBLER

<table>
<thead>
<tr>
<th>HALF WAVE</th>
<th>FULL WAVE</th>
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<tbody>
<tr>
<td>AC VOLTAGE PER PLATE (RMS) MAX. 117</td>
<td>117 VOLTS</td>
</tr>
<tr>
<td>DC OUTPUT CURRENT MAX. 75</td>
<td>75 MA.</td>
</tr>
<tr>
<td>TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE MAX. 30</td>
<td>15 OHMS</td>
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</tbody>
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A WHEN FILTER CONDENSERS LARGER THAN 40 MIUFS ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

CONTINUED NEXT PAGE
HALF-WAVE RECTIFIER

AC VOLTAGE PER PLATE (RMS) 117 150 235 MAX. VOLTS
DC OUTPUT CURRENT PER PLATE MAX. 75 75 75 MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE MIN. A 15 40 100 OHMS

25Z6GT/G

E_f = 25 V.
ONE PLATE ONLY

25Z6GT/G

E_f = 25 V.
E_input = 117 V. RMS

VOLTAGE DOUBLER

HALF-WAVE RECTIFIER
TWO PLATES IN PARALLEL
CONDENSER INPUT

C = 32 μf

C = 32 μf

C = 16 μf

C = 16 μf

C = 8 μf

C = 8 μf

C = 4 μf

C = 4 μf