HIGH-VACUUM RECTIFIER-DOUBLER

Heater Coated Unipotential Cathodes
Voltage 117 a-c or d-c volts
Current 0.075 amp.
Maximum Overall Length 3-5/16" 
Maximum Seated Height 2-3/4"
Maximum Diameter 1-5/16" 
Sulb T-9
Base Intermediate Shell Octal 7-Pin
Pin 1 - No Connection Pin 5 - Plate #1
Pin 2 - Heater Pin 7 - Heater #1
Pin 3 - Plate #2 Pin 8 - Cathode #2
Pin 4 - Cathode #2 Any

BOTTOM VIEW (G-70)
Maximum Ratings Are Design-Center Values
RECTIFIER OR DOUBLER

Peak Inverse Plate Voltage 700 max. volts
Peak Plate Current per Plate 360 max. ma.
D-C Output Current per Plate 60 max. ma.
D-C Heater-Cathode Potential 350 max. volts

Typical Operation As Half-Wave Rectifier with Condenser-Input Filter:

A-C Plate Supply Voltage per Plate (RMS) 117 150 235 volts
Filter Input Condenser 40 40 40 μf
Min. Total Effect. Plate-Supply Imped. per Plate 15 40 100 ohms
D-C Output Current per Plate 60 60 60 ma.

Typical Operation As Voltage Doubler:

<table>
<thead>
<tr>
<th>Half-Wave</th>
<th>Full-Wave</th>
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</thead>
<tbody>
<tr>
<td>A-C Plate Supply Voltage per Plate (RMS)</td>
<td>117</td>
</tr>
<tr>
<td>Filter Input Condenser</td>
<td>40</td>
</tr>
<tr>
<td>Min. Total Effect. Plate-Supply Imped. per Plate</td>
<td>30</td>
</tr>
<tr>
<td>D-C Output Current</td>
<td>60</td>
</tr>
</tbody>
</table>

* in half-wave rectifier service, the two units may be used separately or in parallel.

For Typical Rectifier- Doubler Circuits, see Type 25Z5.