Replacement Type

TYPE 1D5
(ENGLISH BASE)
HALF-WAVE A.C./D.C.
RECTIFIER

CHARACTERISTICS

Heater Voltage ... ... 40 volts  
Heater Current ... ... 0.2 amp.  
Peak Inverse Voltage ... ... 700 volts max.  
D.C. Heater-Cathode Potential ... 350 volts max.  
R.M.S. Input ... ... 250 volts max.  
Series Anode Limiting Resistor ... 50 ohms max.  
Rectified Current ... ... 100 mA max.  
Reservoir Condenser ... ... 16 μF max.  

For characteristic curves refer to type 25Z4G.

Replacement Type

TYPE 1D6
(U.X. BASE)
HALF-WAVE A.C./D.C.
RECTIFIER

BRIMAR type 1D6 is an indirectly heated rectifier for use in universal receivers. It is designed to replace types 2S2, 25S5 and 25RE where these valves are used in half-wave circuits. For voltage doubling applications two 1D6 valves are necessary.

Heater Voltage ... ... 25 volts  
Heater Current ... ... 0.3 amp.  
R.M.S. Input Voltage ... ... 250 volts max.  
Rectified Current ... ... 100 mA max.  
Series Anode Limiting Resistor ... 50 ohms min.  
Reservoir Condenser ... ... 16 μF max.  

* For input voltages exceeding 117 volts r.m.s.

For further data concerning type 1D6 and characteristic curves refer to type 25Z4G.

Replacement Types

TYPES 1H5G, 1H5GT
(OCTAL BASE)

Note.—Type 1H5GT has Pin 1 connected to metal shell.

BATTERY SINGLE DIODE TRIODES

BRIMAR types 1H5G and 1H5GT are identical with the exception of their overall dimensions which are given in the drawings above.

RATINGS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filament Voltage</td>
<td>1.4 volts</td>
</tr>
<tr>
<td>Filament Current</td>
<td>0.05 amp.</td>
</tr>
<tr>
<td>Anode Voltage</td>
<td>110 volts max.</td>
</tr>
</tbody>
</table>

CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anode Voltage</td>
<td>90 volts</td>
</tr>
<tr>
<td>Anode Current</td>
<td>0.15 mA</td>
</tr>
<tr>
<td>Control Grid Voltage</td>
<td>0 volts*</td>
</tr>
<tr>
<td>Mutual Conductance</td>
<td>0.275 mA/V</td>
</tr>
<tr>
<td>Anode Impedance</td>
<td>0.24 meg</td>
</tr>
<tr>
<td>Amplification Factor</td>
<td>65</td>
</tr>
</tbody>
</table>

* Grid returned to negative filament (Pin 7).