**5V4-G**

**FULL-WAVE HIGH-VACUUM RECTIFIER**

Heater: Coated Unipotential Cathode

Voltage: 5.0 a-c volts

Current: 2.0 amp.

Maximum Overall Length: 4-5/8"

Maximum Seated Height: 4-1/16"

Maximum Diameter: 1-13/16"

Bulb: ST-14

Base: Medium Shell Octal 5-Pin

Pin 1 - No Connection
Pin 2 - Heater
Pin 4 - Plate #2
Pin 6 - Plate #1
Pin 8 - Heater & Cathode

Mounting Position: Any

**FULL VIEW (G-5L)**

**BOTTOM VIEW (G-5L)**

Peak Inverse Voltage: 1400 max. volts

Peak Plate Current per Plate: 525 max. ma.

*With Condenser-Input Filter:*

A-C Plate Voltage per Plate (RMS): 375 max. volts

Total Effective Plate-Supply Impedance per Plate: 100 min. ohms

D-C Output Current: 175 max. ma.

*With Choke-Input Filter:*

A-C Plate Voltage per Plate (RMS): 500 max. volts

Input-Choke Inductance: 4 min. henries

D-C Output Current: 175 max. ma.

*When a filter-input condenser larger than 40 µf is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.*

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**AVG. PLATE CHARACTERISTIC**

<table>
<thead>
<tr>
<th>PLATE VOLTS D.C.</th>
<th>PLATE MILLIAMPERES</th>
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</thead>
<tbody>
<tr>
<td>0</td>
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**Type 5V4-G**

**E_C = 5.0 VOLTS**

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Sept. 2, 1941

RCA RADIotron DIVISION

RCA MANUFACTURING COMPANY, INC.
OPERATION CHARACTERISTICS

\[ E_F = 5.0 \text{ VOLTS} \]

--- CHoke (L) INPUT TO FILTER:
\[ L = 4 \text{ HENRIES (MIN.)} \]

--- CONDenser (C) INPUT TO FILTER:
TOTAL EFFECTIVE PLATE-SUPPLY IMPEDANCE PER PLATE = 100 OHMS

--- D-C OUTPUT VOLTS AT INPUT TO FILTER

--- VOLTAGES RMS PER PLATE

--- D-C LOAD MILLIAMPERES

--- JAN. 8, 1940 RCA RADIOTRON DIVISION RCA MANUFACTURING COMPANY, INC. 92C-6090R1