



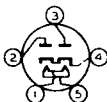
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**FULL-WAVE HIGH-VACUUM RECTIFIER**

|                        |                             |                  |
|------------------------|-----------------------------|------------------|
| Heater $\blacksquare$  | Coated Unipotential Cathode |                  |
| Voltage                | 6.3                         | a-c or d-c volts |
| Current                | 0.5                         | amp.             |
| Maximum Overall Length |                             | 4-3/16"          |
| Maximum Diameter       |                             | 1-9/16"          |
| Bulb                   |                             | ST-12            |
| Base                   |                             | Small 5-Pin      |
| Pin 1 - Heater         |                             | Pin 4 - Cathode  |
| Pin 2 - Plate          |                             | Pin 5 - Heater   |
| Pin 3 - Plate          |                             |                  |
| Mounting Position      | BOTTOM VIEW (5D)            | Any              |

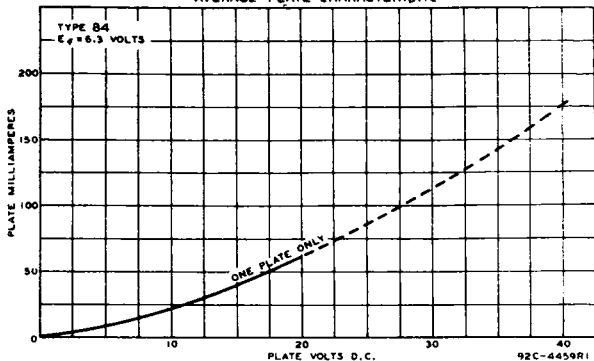
FULL-WAVE RECTIFIER

|   |                 |
|---|-----------------|
| Peak Inverse Voltage  | 1250 max. volts |
| Peak Plate Current per Plate                                      | 180 max. ma.    |
| D-C Heater-Cathode Potential                                      | 450 max. volts  |
| <i>Typical Operation with Condenser-Input Filter:</i>             |                 |
| A-C Plate Voltage per Plate (RMS)                                 | 325 max. volts  |
| Total Effective Plate-Supply Impedance per Plate $\blacktriangle$ | 65 min. ohms    |
| D-C Output Current  | 60 max. ma.     |
| <i>Typical Operation with Choke-Input Filter:</i>                 |                 |
| A-C Plate Voltage per Plate (RMS)                                 | 450 max. volts  |
| Input-Choke Inductance  | 10 min. henries |
| D-C Output Current  | 60 max. ma.     |

$\blacksquare$  The heater voltage should never fluctuate to exceed 7.5 volts.

$\blacktriangle$  When a filter-input condenser larger than 40  $\mu\text{f}$  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.

AVERAGE PLATE CHARACTERISTIC



FEB. 2, 1940

RCA RADIODRON DIVISION  
RCA MANUFACTURING COMPANY INC

DATA



## OPERATION CHARACTERISTICS

