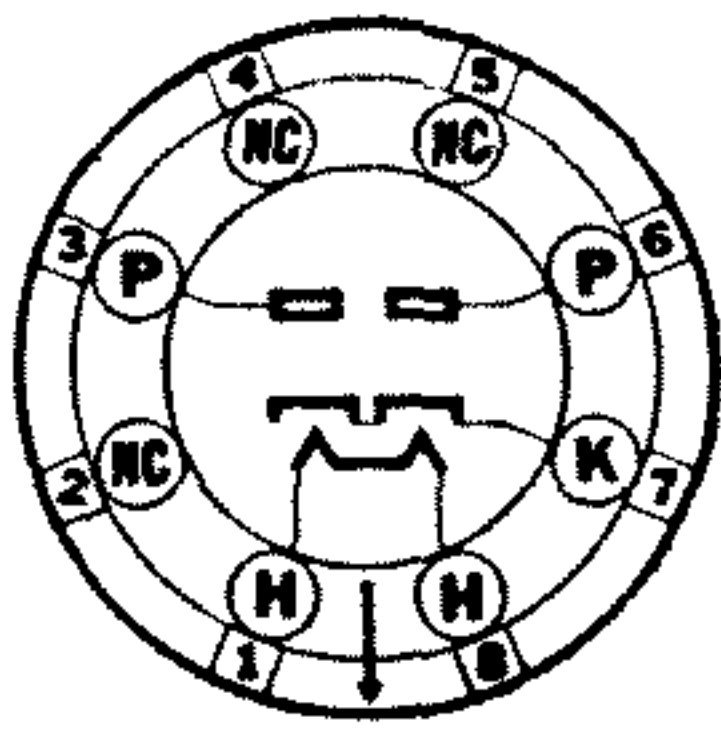
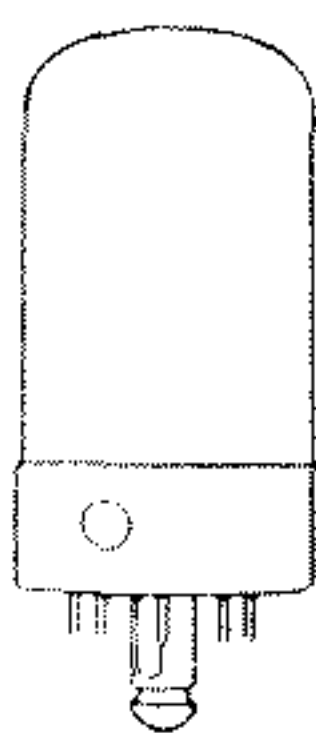


# 7Y4 Sylvania Type

FULL-WAVE RECTIFIER

GT EQUIVALENT 6X5GT



5AB-L-0

## PHYSICAL SPECIFICATIONS

|                             |                                  |
|-----------------------------|----------------------------------|
| Base.....                   | Lock-In 8 Pin                    |
| Bulb.....                   | T-9                              |
| Maximum Overall Length..... | 2 <sup>5</sup> / <sub>32</sub> " |
| Maximum Seated Height.....  | 2 <sup>1</sup> / <sub>4</sub> "  |
| Mounting Position.....      | Any                              |

## RATINGS .

|                                                |              |
|------------------------------------------------|--------------|
| Heater Voltage (Nominal) AC or DC.....         | 7.0 Volts    |
| Heater Current (Nominal).....                  | 0.530 Ampere |
| Maximum RMS Plate Voltage Condenser Input..... | 325 Volts    |
| Maximum RMS Plate Voltage Choke Input.....     | 450 Volts    |
| Maximum Peak Inverse Voltage.....              | 1250 Volts   |
| Maximum DC Heater-Cathode Voltage.....         | 450 Volts    |
| Maximum Peak Plate Current.....                | 180 Ma.      |
| Maximum DC Output Current.....                 | 70 Ma.       |
| DC Voltage Drop at 70 Ma Per Plate.....        | 22 Volts     |

## TYPICAL OPERATION

|                                                 | Condenser Input | Choke Input |
|-------------------------------------------------|-----------------|-------------|
| Heater Voltage.....                             | 6.3             | 6.3 Volts   |
| Heater Current.....                             | 0.50            | 0.50 Ampere |
| RMS Plate Voltage.....                          | 325             | 450 Volts   |
| DC Output Current.....                          | 70              | 70 Ma.      |
| Plate Supply Impedance* (Minimum per Plate).... | 150             | Ohms        |
| Minimum Input Choke Value.....                  |                 | 10 Henrys   |

\*When greater than 40  $\mu$ fd input filter condenser is used it may be necessary to increase minimum plate supply impedance.

## APPLICATION

Sylvania Type 7Y4 is a full-wave cathode heater type rectifier tube of Lock-In construction. It is designed for service in small auto and AC receivers. It is similar to the older 6X5GT and 84 but is smaller physically and is considerably more rugged due to the Lock-In construction. Conventional circuits such as used with the older types, are entirely suitable for use with this tube.

