

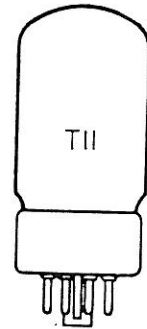
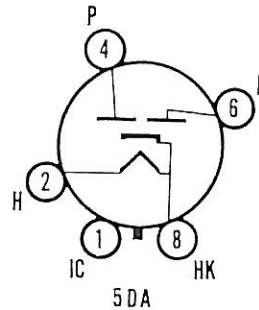
# SOVTEK

**FULL-WAVE POWER RECTIFIER**

**5AR4/GZ34**

## Heater-Cathode Twin Diode

Construction .....Octal T-11  
 Base .....Octal 5 Pin  
 Basing .....5DA  
 Outline  
 Maximum Diameter .....1.313 In.  
 Maximum Seated Height .....2.875 In.  
 Maximum Overall Height .....3.438 In.



## ELECTRICAL DATA

### HEATER OPERATION

Heater Voltage..... 5.0 Volts  
 Heater Current ..... 1900 Ma

### RATINGS (Design Center Rating System)

#### Rectifier Service<sup>(1)</sup>

Peak Inverse Plate Voltage (Max.) ..... 1500 Volts  
 Peak Plate Current (Max.) ..... 750 Ma  
 AC Plate Supply Voltage (Each Plate, RMS) (Max.) ..... 550 Volts  
 Steady State DC Output Current (Max.)..... 250 Ma  
 Condenser Input to Filter (Max.)..... 60  $\mu$ f

### CHARACTERISTICS AND TYPICAL OPERATION

#### Full-Wave Rectifier—Capacitor Input Filter

AC Plate Supply Voltage (Each Plate, RMS) <sup>(2)</sup> .....	300	350	400	450	500	550 Volts
DC Output Current.....	250	250	250	250	200	160 Ma
DC Output Voltage .....	330	380	430	480	560	640 Volts
Limiting Resistor (Per Plate) .....	75	100	125	150	175	200 Ohms

#### Full-Wave Rectifier—Choke Input Filter

AC Plate Supply Voltage (Each Plate, RMS) <sup>(2)</sup> .....	300	350	400	450	500	550 Volts
DC Output Current.....	250	250	250	250	250	225 Ma
DC Output Voltage .....	250	290	330	375	420	465 Volts
Limiting Resistor (Per Plate) .....	0	0	0	0	0	0 Ohm
Filter Input Choke .....	10	10	10	10	10	10 Henrys

## NOTES:

- (1) For use with sinusoidal supply voltages within the frequency range of 25 to 1000 Hertz.
- (2) AC plate voltage is measured without load.