

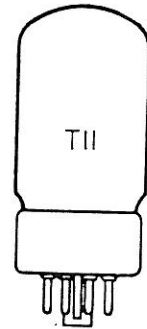
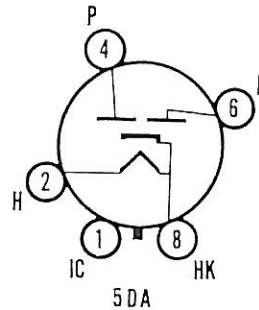
SOVTEK

FULL-WAVE POWER RECTIFIER

5AR4/GZ34

Heater-Cathode Twin Diode

ConstructionOctal T-11
 BaseOctal 5 Pin
 Basing5DA
 Outline
 Maximum Diameter1.313 In.
 Maximum Seated Height2.875 In.
 Maximum Overall Height3.438 In.



ELECTRICAL DATA

HEATER OPERATION

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

RATINGS (Design Center Rating System)

Rectifier Service⁽¹⁾

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 μ f

CHARACTERISTICS AND TYPICAL OPERATION

Full-Wave Rectifier—Capacitor Input Filter

AC Plate Supply Voltage (Each Plate, RMS) ⁽²⁾	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) ⁽²⁾	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.