FULL WAVE
HIGH VACUUM RECTIFIER

UNIPOTENTIAL CATHODE
HEATER
6.5 VOLS 0.5 AMPERE
AC OR DC

GLASS BULB

SMALL 5 PIN BASE

THE TUNG-SOL 84/6Z4 IS DESIGNED FOR USE AS A POWER RECTIFIER IN STORAGE BATTERY AND AC OPERATED RECEIVERS.

RATINGS

MAXIMUM PEAK INVERSE VOLTAGE 1250 VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL 450 VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE 180 MA.

OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER WITH CONDENSER INPUT TO FILTER

AC PLATE VOLTAGE PER PLATE (RMS)\(^\text{max}\) 325 VOLTS
DC OUTPUT CURRENT\(^\text{max}\) 60 MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE\(^\text{min}\) \^A 65 OHMS

FULL WAVE RECTIFIER WITH CHOKE INPUT TO FILTER

AC PLATE VOLTAGE PER PLATE (RMS)\(^\text{max}\) 450 VOLTS
DC OUTPUT CURRENT\(^\text{max}\) 60 MA.
VALUE OF INPUT CHOKE\(^\text{min}\) \^A 10 HENRYS
TUBE VOLTAGE DROP 20 VOLTS
AT 60 MA. PER PLATE

\(^A\) WHEN FILTER CONDENSERS LARGER THAN 40 \(\mu\)FDS ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

FOR "INTERPRETATION OF RATINGS", REFER TO FRONT OF BOOK.
**84/6Z4**

**E_f = 6.3 Volts**

ONE PLATE ONLY

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**84/6Z4**

**E_f = 6.3 Volts**

- Full wave, condenser input, C = 4 μF
- Half wave (plates tied together), condenser input, C = 8 μF
- Full wave, choke input, L = 20 h

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**DC LOAD IN MILLIAMPERES**

- **Input = 350 V RMS**
  - Plate 1: 150
  - Plate 2: 200
  - Plate 3: 250
  - Plate 4: 300

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**DC OUTPUT IN MILLIAMPERES**

- **Input = 350 V RMS**
  - Plate 1: 150
  - Plate 2: 200
  - Plate 3: 250
  - Plate 4: 300