FULL WAVE HIGH VACUUM RECTIFIER

UNIPOTENTIAL CATHODE

HEATER
5.0 VOLTS 2.0 AMPERES AC

GLASS BULB

THE TUNG-SOL 5V4G AND 83V ARE POWER RECTIFIERS WITH LOW INTERNAL VOLTAGE DROPS. THEY ARE DESIGNED FOR SERVICE IN AC OPERATED RECEIVERS THAT REQUIRE HIGH CURRENTS. THEIR RATINGS AND ELECTRICAL CHARACTERISTICS ARE IDENTICAL.

RATINGS

MAXIMUM PEAK INVERSE VOLTAGE 1400 VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE 525 MA.

OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER WITH CONDENSER INPUT TO FILTER

AC PLATE VOLTAGE PER PLATE (RMS)\textsuperscript{MAX.} 375 VOLTS
DC OUTPUT CURRENT\textsuperscript{MAX.} 175 MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE\textsuperscript{MIN.} 65 OHMS

FULL WAVE RECTIFIER WITH CHOKE INPUT TO FILTER

AC PLATE VOLTAGE PER PLATE (RMS)\textsuperscript{MAX.} 500 VOLTS
DC OUTPUT CURRENT\textsuperscript{MAX.} 175 MA.
VALUE OF INPUT CHOKE\textsuperscript{MIN.} 4.0 HENRYS
TUBE VOLTAGE DROP 23 VOLTS

AT 175 MA. PER PLATE

A WHEN FILTER CONDENSERS LARGER THAN 40 UFDS ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

FOR "INTERPRETATION OF RATINGS", REFER TO FRONT OF BOOK.

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