TUNG-SOL

FULL WAVE
HIGH VACUUM RECTIFIER

COATED FILAMENT
5.0 VOLTS 3.0 AMPERES
AC

GLASS BULB

5U4G - MEDIUM 5 PIN OCTAL BASE
5X4G - MEDIUM 6 PIN OCTAL BASE

523 - MEDIUM 4 PIN BASE

THE TUNG-SOL 5U4G, 5X4G AND 523 ARE DESIGNED FOR SERVICE AS POWER RECTIFIERS IN AC OPERATED RECEIVERS WHICH REQUIRE HIGH CURRENTS. THEIR RATINGS AND ELECTRICAL CHARACTERISTICS ARE IDENTICAL.

RATINGS

MAXIMUM PEAK INVERSE VOLTAGE 1550 VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE 675 MA.

OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER WITH CONDENSOR INPUT TO FILTER

AC PLATE VOLTAGE PER PLATE (RMS)_{\text{MAX.}} 450 VOLTS
DC OUTPUT CURRENT_{\text{MAX.}} 225 MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE^{\text{MIN.}}^{\text{A}} 75 OHMS

FULL WAVE RECTIFIER WITH CHOKE INPUT TO FILTER

AC PLATE VOLTAGE PER PLATE (RMS)_{\text{MAX.}} 550 VOLTS
DC OUTPUT CURRENT_{\text{MAX.}} 225 MA.
VALUE OF INPUT CHOKE^{\text{MIN.}} 3 HENRYS
TUBE VOLTAGE DROP AT 225 MA. PER PLATE 58 VOLTS

^{\text{A}} WHEN FILTER CONDENSERS LARGER THAN 40 \mu{\text{F}} \text{S} ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

CONTINUED NEXT PAGE
5X4 G (5U4G, 5Z3)

5U4G, 5X4G, 5Z3
$E_f = 5.0$ Volts AC
ONE PLATE ONLY

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5U4G, 5X4G, 5Z3
$E_f = 5.0$ Volts AC
FULL WAVE RECTIFIER

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$= \text{Condenser Input, } C = 4 \mu f$
$= \text{Choke Input, } L = 20 \, \text{h}$

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