TUNG-SOL

TWIN DIODE HIGH VACUUM RECTIFIER

VOLTAGE DOUBLER

UNIPOTENTIAL CATHODES

HEATER
50 VOLTS 0.15 AMPERE
AC OR DC

GLASS BULB

G-BAN
BOTTOM VIEW

SMALL 8 PIN OCTAL BASE


RATINGS

HEATER VOLTAGE (BETWEEN PINS #2 AND #7) 50.0 VOLTS
HEATER CURRENT (BETWEEN PINS #2 AND #7) 0.15 AMP.
MAXIMUM AC PLATE VOLTAGE PER PLATE (RMS) 235 VOLTS
MAXIMUM PEAK INVERSE VOLTAGE 700 VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL 350 VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE 400 MA.
MAXIMUM DC OUTPUT CURRENT PER PLATE WITH PANEL LAMP 65 MA.
TAPPED SECTION OF HEATER VOLTAGE (BETWEEN PINS #6 & #7) WITH 0.15 AMP. FLOWING BETWEEN PINS #2 & #7 2.0 VOLTS
TUBE VOLTAGE DROP — AT 130 MA. DC PER PLATE 21 VOLTS

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

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PLATE 50Z7G

SEPT. 23
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HALF WAVE RECTIFIER
WITH #292 OR #292A PANEL LAMP

HEATER VOLTAGE (BETWEEN PINS #2 AND #7) \text{APPROX.} \quad 50.0 \quad 50.0 \quad \text{VOLTS}

HEATER CURRENT (BETWEEN PINS #2 AND #6) \quad 0.15 \quad 0.15 \quad \text{AMP.}

MAXIMUM VOLTAGE ACROSS TAPPED SECTION OF HEATER
(BETWEEN PINS #6 AND #7) \quad 2.5 \quad 2.5 \quad \text{VOLTS}

AC PLATE VOLTAGE PER PLATE (RMS) \quad 117 \quad 235^{\text{MAX}} \quad \text{VOLTS}

DC OUTPUT CURRENT PER PLATE \text{MAX.} \quad 65 \quad 65 \quad \text{MA.}

TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE \text{MIN.B} \quad 15 \quad 100 \quad \text{OHMS}

VOLTAGE DOUBLER
WITH #292 OR #292A PANEL LAMP

HEATER VOLTAGE (BETWEEN PINS #2 AND #7) \quad 50.0 \quad \text{VOLTS}

AC PLATE VOLTAGE PER PLATE (RMS) \text{MAX.} \quad 117 \quad \text{VOLTS}

DC OUTPUT CURRENT PER PLATE \text{MAX.} \quad 65 \quad \text{MA.}

TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE \text{MIN.B} \quad 15 \quad \text{OHMS}

A IT IS RECOMMENDED THAT THE PLATE CURRENT OF THE RECTIFIER BE PASSED THROUGH THE PANEL LAMP AND THE TAPPED SECTION OF THE HEATER.

B WHEN FILTER CONDENSERS LARGER THAN 90 \mu\text{F}DS ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.