HALF WAVE
HIGH VACUUM RECTIFIER

UNIPOTENTIAL CATHODE

HEATER
35.0 VOLTS 0.150 AMPERE
AC OR DC
WITHOUT PANEL LAMP

GLASS BULB

INTERMEDIATE 6 PIN OCTAL BASE


RATINGS

MAXIMUM AC PLATE VOLTAGE (RMS) 235 VOLTS
MAXIMUM PEAK INVERSE VOLTAGE 700 VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL 350 VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT 600 MA.
MAXIMUM DC OUTPUT CURRENT:
   NO PANEL LAMP 100 MA.
   WITH PANEL LAMP AND SHUNTING RESISTOR 90 MA.
   WITH PANEL LAMP AND NO SHUNTING RESISTOR 60 MA.
MAXIMUM VALUE OF PANEL LAMP SHUNTING RESISTOR:
   FOR 70 MA. DC OUTPUT CURRENT 800 OHMS
   FOR 80 MA. DC OUTPUT CURRENT 400 OHMS
   FOR 90 MA. DC OUTPUT CURRENT 250 OHMS
TAPPED HEATER SECTION VOLTAGE (BETWEEN #2 AND #3) 7.5 VOLTS
   WITH 150 MA. FLOWING BETWEEN PINS #2 AND #7
MAXIMUM VOLTAGE ACROSS TAPPED HEATER SECTION WHEN PANEL LAMP FAILS (RMS) 15.0 VOLTS
TUBE VOLTAGE DROP AT 200 MA. DC 18 VOLTS

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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

WITH #40 OR #47 PANEL LAMP

HEATER VOLTAGE (BETWEEN PINS #2 AND #7) 32 32 32 32 32 VOLTS
HEATER CURRENT (BETWEEN PINS #3 AND #7) .150 .150 .150 .150 .150 AMPERE
VOLTAGE ACROSS TAPPED SECTION OF HEATER 5.5 5.5 5.5 5.5 5.5 VOLTS
(PINS #2 AND #3)
AC PLATE VOLTAGE (RMS) 117 117 117 117 235 VOLTS
DC OUTPUT CURRENT 60 70 80 90 60 MA.
MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE 15 15 15 15 100 OHMS
PANEL LAMP SHUNT RESISTANCE 300 150 100 0 OHMS

WITHOUT PANEL LAMP

HEATER VOLTAGE (BETWEEN PINS #2 AND #7) 35.0 35.0 VOLTS
HEATER CURRENT (BETWEEN PINS #3 AND #7) .150 .150 AMPERE
VOLTAGE ACROSS TAPPED SECTION OF HEATER 7.5 7.5 VOLTS
(PINS #2 AND #3)
AC PLATE VOLTAGE (RMS) 235 117 VOLTS
DC OUTPUT CURRENT 100 100 MA.
MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE 100 15 OHMS

A. WHEN FILTER CONDENSERS LARGER THAN 90 UFDS. ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

THE DROP ACROSS THE SERIES RESISTANCE, IF ANY, AND ALL HEATERS SHOULD TOTAL 227 V. AT 0.25 AMPERE.

VOLTAGES SHOULD NOT BE APPLIED TO THE SOCKET WHEN TUBES ARE INSTALLED OR REMOVED.

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

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