

HYGRADE SYLVANIA CORPORATION
TECHNICAL DATA
SYLVANIA TYPE 14Y4
Full-Wave High Vacuum Rectifier

Physical Specifications

Coated Unipotential

Base

Bulb

Maximum Diameter

Maximum Overall

Maximum Seated Height

Pin Connection

Pin 1 - Heater

Pin 2 - No Connection

Pin 3 - Diode Plate #2

Pin 4 - Internal Connection

Locking-In 8-Pin

T-9

1 3/16"

2 25/32"

2 1/4"

RMA Basing No. 5AB-L-0

Pin 5 - No Connection

Pin 6 - Diode Plate #1

Pin 7 - Cathode

Pin 8 - Heater

Mounting Position

Any

Ratings

Heater Voltage (Nominal) (ac or dc)

14.0 volts

Heater Current (Nominal)

0.320 Ampere

Maximum Peak Inverse Voltage

1250 volts

Maximum DC Heater to Cathode Potential

450 volts

Maximum Steady-State Peak Plate Current per plate

210 ma

Tube voltage drop: Measured with applied DC at

70 ma. per plate

22 volts

Typical Operating Conditions

Full-Wave Rectifier

Condenser Input To Filter

Heater Voltage

12.6 volts

Heater Current

0.300 ma.

AC Plate Voltage per plate (RMS)

325 Max. volts

DC Output Current

70 Max. ma.

Total effective plate supply impedance per plate ϕ

150 Min. ohms

Choke Input to Filter

Heater Voltage

12.6 Volts

Heater Current

0.300 ma.

AC Plate Voltage per plate (RMS)

450 Max. volts

DC Output Current

70 Max. ma.

Minimum Value of Input Choke

8.0 henrys

ϕ When filter condensers larger than 40 mfd. are used it may be necessary to add additional plate supply impedance.

9-27-40

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