

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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