

RMA Release # 322

Feb. 1, 1943

1R4/1294
Jan. 25, 1943

SYLVANIA ELECTRIC PRODUCTS INC.

Technical Data

TYPE 1R4/1294

Cathode Type Light Frequency Diode

Physical Specifications

Grounded Unipotential Cathode

Bulb

T-9

Base

Lock-in[®] pin

Maximum Diameter

1-3/16"

Maximum Overall Length

2-25/32"

Maximum Seated Height

2-1/4"

Pin Connections:

Pin 1 = Heater

Pin 5 = No connection

Pin 2 = Internal Shield

Pin 6 = No connection

Pin 3 = No connection

Pin 7 = Cathode

Pin 4 = Plate

Pin 8 = Heater

Ratings

Heater Voltage (ac or dc)

1.4

volts

Heater Current

0.150

ampere

Maximum AC Plate Voltage

117

volts

Maximum DC Output Current

1.0

ma.

Tube Voltage Drop, measured with applied DC at 2 ma.

8

volts

Resonant Frequency

1500

megacycles

Direct Interelectrode Capacitances *

Plate to Cathode

.36

uuf

Plate to Cathode + Heater and Internal Shield + Shell

1.6

uuf

Cathode to Heater, Shell and Internal Shield

1.9

uuf

* without or with RMA Tube shield 108-308 connected to cathode.

HEA:df

1-25-43