



ELECTRONIC TUBE REFERENCE

1R4

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Battery-operated high-frequency diode for small-current half-wave rectification rather than conventional power supplies. Its low-voltage filament and tiny current demand suit portable electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4AH	BASE PINS	8
NOMINAL HEATER	1.4 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
NOMINAL OUTPUT CURRENT	1 mA
FORWARD VOLTAGE DROP	8 V
<i>High-frequency diode used as a small-current half-wave rectifier.</i>	

High-frequency diode used as a small-current half-wave rectifier. Electrical ratings and representative operating data were extracted from the approved manual page.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC Plate Voltage	117 V	—
Maximum DC Output Current	1 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	8 V	At 2 mA
Resonant Frequency	1500 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum RMS supply voltage	117 V	HalfWaveRectifier
Maximum DC output current	1 mA	HalfWaveRectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	8 V	At 2 mA DC

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