



ELECTRONIC TUBE REFERENCE

1V

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Half-wave rectifier with separate cathode for capacitor-input power supplies. Its 6.3 V heater and moderate current capability suit conventional electronic DC supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4G	BASE PINS	4
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	45 mA
PEAK FORWARD CURRENT	270 mA
FORWARD VOLTAGE DROP	20 V
Half-wave high-vacuum rectifier for power-supply service.	

A 6.3 V half-wave rectifier with a separate cathode, intended for capacitor-input rectifier service and rated for 1000 V peak inverse voltage.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

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

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
tieximum A-C Plate Voltage (RHS)	350 V	Published table
Haximm Inverse Peak Voltage	1000 V	Published table
axirmum D-C Output Current	50 mA	Published table
AVERAGE TUBE VOLTAGE DROP	23 V	Published table

SOURCE OPERATING CONDITIONS

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1940 RCA

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1940 RCA

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	300 mA	Nominal
Maximum Peak Inverse Voltage	350 V	—
Rectified Output Current	50 mA	—
PeakForwardCurrent	200 mA	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum inverse voltage	1000 V	HalfWaveRectifier
Maximum DC output current	45 mA	HalfWaveRectifier
Maximum peak current	270 mA	HalfWaveRectifier
Maximum RMS supply voltage	325 V	HalfWaveRectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	20 V	HalfWaveRectifier; At 90 mA DC

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal
Heater current	300 mA	Nominal