



ELECTRONIC TUBE REFERENCE

2C33

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated rectifier diode for relatively high-voltage, low-current power supplies. Rated for approximately 1.5 kV peak inverse voltage, 50 mA DC output, and 150 mA peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8A	BASE PINS	8
NOMINAL HEATER	2.5 V / 2.5 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	1.5 A
PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	50 mA
PEAK FORWARD CURRENT	150 mA
<i>Gas triode thyatron; 2C33 and RX233A are explicit co-designations.</i>	

High-current rectifier diode designed for high-voltage low-current operation.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	2.5 V	Nominal
HeaterCurrentNominal	2.5 A	Nominal
Maximum Peak Inverse Voltage	1500 V	—
Rectified Output Current	50 mA	—
PeakForwardCurrent	150 mA	—



SOURCE OPERATING CONDITIONS

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Inverse Anode Voltage	1500 V	—
Maximum Peak Cathode Current	1.5 A	—
Maximum Average Cathode Current	25 mA	—

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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