



ELECTRONIC TUBE REFERENCE

836

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Heater-cathode half-wave high-vacuum rectifier for transmitting and industrial supplies. Its multi-kilovolt capability and substantial current suit professional DC power systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	5000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	15 V
<i>Electrical section extracted from supplied RCA data sheet.</i>	

Heater-cathode half-wave high-vacuum rectifier for transmitting and industrial power supplies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 RCA Transmitting Tubes

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

1938 RCA TRANSMITTING TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage (a-c)	2.5 V	Heater Voltage (a-c) ... 2.5 Volts



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Rectifier

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2.5 V	—
HeaterOrFilamentCurrent	5 A	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2.5 V	—
HeaterOrFilamentCurrent	5 A	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage nominal	2.5 V	WholeTube
Heater/filament current nominal	5 A	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage	2.5 A	Published source row
A '	2 A	Published source row
A ' (value 2)	5 A	Published source row
Peak Inverse Plate Voltage	5000 V	Published source row
Peak Plate Current	1 A	Published source row
Average Plate Current	250 mA	Published source row
Peak inverse plate voltage	5000 V	Promoted field corroboration
Rectifier average current	0.25 mA	Promoted field corroboration
Rectifier peak forward current	1 mA	Promoted field corroboration
Verified Peak inverse plate voltage	5000 V	Verified from supplied datasheet rating/characteristic table

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Verified Rectifier average output current	250 mA	Verified from supplied datasheet rating/characteristic table
Verified Rectifier peak forward current	1000 mA	Verified from supplied datasheet rating/characteristic table

TUBE TINKER

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