

ELECTRONIC TUBE REFERENCE

5W4G

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Directly heated full-wave high-vacuum rectifier for general electronic power supplies. Its five-volt filament provides moderate current capability in conventional transformer-fed B-plus circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	100 mA
FORWARD VOLTAGE DROP	50 V
Representative row for identical repeated sections.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	100 mA
FORWARD VOLTAGE DROP	50 V
Second physical rectifier section; electrical properties populated from corresponding identical section.	

Directly heated full-wave high-vacuum rectifier for power-supply service.

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
Heater/filament voltage	5 V	Section1
Heater/filament current	1.8 A	Section1
RMS AC voltage per plate maximum	350 V	FullWave
Peak inverse voltage maximum	1000 V	FullWave
DC output current maximum	110 mA	FullWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average tube voltage drop	50 V	FullWave

1937 RAYTHEON RADIO RECEIVING TUBES

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	5 V	Section1
Heater/filament current	1.8 A	Section1
RMS AC voltage per plate maximum	350 V	FullWave
Peak inverse voltage maximum	1000 V	FullWave
DC output current maximum	110 mA	FullWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average tube voltage drop	50 V	FullWave



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Triadyne

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

1938 TRIADYNE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC Voltage Per Plate RMS	350 V	Corrected RMA release
Maximum DC Output Current	110 mA	—

1938 TRIADYNE

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC Voltage Per Plate RMS	350 V	Corrected RMA release
Maximum DC Output Current	110 mA	—

TUBE TINKER

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

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