

ELECTRONIC TUBE REFERENCE

OZ4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Heaterless gas-filled full-wave rectifier designed particularly for vibrator-type automotive and battery-operated power supplies. Gas-discharge conduction provides useful current without a separate heater supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4R	BASE PINS	8
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

4R - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN3 – P1	A	P – Plate (Anode)	CONNECTED
PIN5 – P2	A	P – Plate (Anode)	CONNECTED
PIN8 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	880 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	330 mA
FORWARD VOLTAGE DROP	24 V
Full-wave gas rectifier; ratings are per plate where stated.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	880 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	330 mA
FORWARD VOLTAGE DROP	24 V
<i>Second physical rectifier section; promoted electrical properties populated from identical section.</i>	

Full-wave gas rectifier for vibrator-type power supplies.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage	880 V	PerPlate
Peak starting-supply voltage	300 V	PerPlate
Peak plate current	330 mA	PerPlate
Peak plate supply voltage	440 V	VibratorSupply;CapacitorInputFilter;PerPlate
Filter-input capacitor	8 uF	VibratorSupply;CapacitorInputFilter
Total effective plate-supply impedance	600 ohm	VibratorSupply;CapacitorInputFilter;PerPlate
DC output voltage	310 V	VibratorSupply;CapacitorInputFilter
DC output current	100 mA	VibratorSupply;CapacitorInputFilter
Minimum plate-supply impedance	300 ohm	PerPlate

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	24 V	110mA;PerPlate

TUBE TINKER

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