



ELECTRONIC TUBE REFERENCE

RK19

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Heater-type full-wave high-vacuum rectifier intended for approximately 1 kV DC supplies, with each rectifier section providing substantial inverse-voltage and current capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	3500 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	600 mA
Representative section for two full-wave rectifier anodes.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	3500 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	600 mA
Second physical rectifier section added for documented full-wave/twin-rectifier construction.	

Heater-type full-wave high-vacuum rectifier for approximately 1000 V DC power supplies.



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	7.5 V	Nominal
HeaterCurrentNominal	2.5 A	Nominal
Maximum Peak Inverse Voltage	3500 V	—
Rectified Output Current	200 mA	—
PeakForwardCurrent	600 mA	—
ACVoltagePerPlate	1250 V	Full-wave rectifier



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon Amateur

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

1938 RAYTHEON AMATEUR

Section 1 · Rectifier

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	HighVacuumRectifier text	—

TUBE TINKER

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