



ELECTRONIC TUBE REFERENCE

583

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Rugged high-vacuum high-voltage diode for clipper and rectifier service. Its heavy filament, multi-kilovolt capability, and strong peak-current handling suit demanding pulse and power circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 4.9 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	18 W
PEAK INVERSE VOLTAGE	17000 V
NOMINAL OUTPUT CURRENT	65 mA
PEAK FORWARD CURRENT	250 mA
<i>Published maximum ratings and characteristics promoted from the approved source; repeated identical sections compressed where applicable.</i>	

High-vacuum high-voltage clipper diode and rectifier for rugged high-voltage applications.



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	4.9 A	Nominal
Maximum Plate Dissipation	18 W	—
Maximum Peak Inverse Voltage	17000 V	—
Rectified Output Current	65 mA	—
PeakForwardCurrent	250 mA	—
ClipperPeakInverseVoltage	15000 V	Clipper service
ClipperPeakPlateCurrent	8 A	Clipper service

TUBE TINKER

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and their source documents.

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