

Directly heated high-vacuum rectifier with oxide-coated filament and convection cooling. Rated for approximately 13 kV peak inverse voltage and 20 mA DC output for high-voltage low-current supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 4.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	13000 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	3 A
FORWARD VOLTAGE DROP	135 V
Published electrical section from 73.pdf; identical repeated sections compressed when applicable.	

High-vacuum rectifier using an oxide-coated filament, convection cooling, and a 13 kV peak inverse-voltage rating.

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
X Voltage	245 V	X Voltage 245 volts
T9 BULB . ¥ Current	4.25 A	T9 BULB . ¥ Current 4,25 amperes
~ Max, Tube Drop at	100 mA	~ Max, Tube Drop at 100 ma. 135 volts
Peak Inverse Voltage	13 V	Peak Inverse Voltage 13,000 volts