



ELECTRONIC TUBE REFERENCE

250R

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated Eimac high-vacuum rectifier for rectifier units, voltage multipliers, and specialized high-voltage applications. Rated for approximately 60 kV peak inverse voltage and 250 mA nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 10.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	150 W
PEAK INVERSE VOLTAGE	60000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	2.5 A
<i>Published per-tube maximum ratings promoted from the source.</i>	

The Eimac 250R is a high-vacuum rectifier for rectifier units, voltage multipliers, and special high-voltage applications, rated to 60 kV peak inverse voltage.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Eimac Tubes

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

1950 EIMAC TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average plate current	250 mA	Maximum average plate current from Eimac high-vacuum rectifier table.
Plate dissipation	150 W	Maximum plate dissipation from Eimac high-vacuum rectifier table.
Peak inverse voltage	60000 V	Maximum peak inverse voltage from Eimac high-vacuum rectifier table.
Filament voltage	5 V	Nominal filament voltage from Eimac high-vacuum rectifier table.
Filament current	10.5 A	Nominal filament current from Eimac high-vacuum rectifier table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage Range	4.75–5.25 V	For maximum tube life

TUBE TINKER

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