



ELECTRONIC TUBE REFERENCE

VI11532

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated high-voltage pulse rectifier designed particularly for charging service. Its tens-of-kilovolts reverse-voltage capability and very high peak anode current suit pulse-power systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	80 W
PEAK INVERSE VOLTAGE	32000 V
PEAK FORWARD CURRENT	15 A
WARM-UP TIME	60 s
<i>English text used as primary source; Russian text used only to repair/check ambiguous OCR.</i>	

The VI1-15/32 is an indirectly heated high-voltage rectifier tube used as a charging rectifier, rated at 32 kV peak reverse voltage and 15 A peak anode current.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Electronintorg

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

1968 ELECTRONINTORG

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Warm-up/Cathode Heating Time	60 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Reverse Voltage	32000 V	—
Peak Anode Current	15 A	—
Anode Dissipation	80 W	—
Heater Voltage Minimum	5.7 V	—
Heater Voltage Maximum	6.9 V	—
Reverse-Voltage Pulse Duration Maximum	4 us	—
Reverse-Voltage 1/Duty Factor Minimum	500	—

TUBE TINKER

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and their source documents.

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