



ELECTRONIC TUBE REFERENCE

VI31832

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Forced-air-cooled indirectly heated high-voltage pulse rectifier, designated VI3-18/32. Rated for approximately 32 kV reverse voltage and 200 mA nominal rectified output for demanding pulsed electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	17 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	75 W
PEAK INVERSE VOLTAGE	32000 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	18 A
WARM-UP TIME	120 s
English text used as primary source; Russian text used only to repair/check ambiguous OCR.	

The VI3-18/32 is an indirectly heated high-voltage pulse rectifier tube with forced-air anode cooling.

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	17 V	—
Warm-up/Cathode Heating Time	120 s	—
Peak Anode Current after 750 h Minimum	14.5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Reverse Voltage	32000 V	—
Peak Anode Current	18 A	—
Average/Rectified Anode Current	200 mA	—
Anode Dissipation	75 W	—
Reverse Voltage in Rectification Mode	30000 V	—
Electrical Charge of Pulse	50 A-us	—
Pulse Duration	10 us	—

TUBE TINKER

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and their source documents.

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