ELECTRONIC TUBE REFERENCE

V100220

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

> Directly heated high-voltage half-wave rectifier for continuous service. Its multi-kilovolt capability and low output current suit specialized high-voltage power systems.

General characteristics

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

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	100 mA
WARM-UP TIME	2 s

English text used as primary source; Russian text used only to repair/check ambiguous OCR.

> The V1-0.02/20 is a directly heated high-voltage rectifier tube designed for continuous rectification service.

SOURCE OPERATING CONDITIONS

1968 Electronintorg

SOURCE PDF

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	**2.5 V**	—
Warm-up/Cathode Heating Time	**2 s**	—
Anode Current at 200 V	**70–140 mA**	—
Peak Emission Current Minimum	**150 mA**	1 kV pulse; 5-10 us; 50 Hz
Peak Emission Current after 500 h Minimum	**120 mA**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Peak Reverse Voltage	**20000 V**	—
Peak Anode Current	**100 mA**	—
Average/Rectified Anode Current	**20 mA**	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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