

ELECTRONIC TUBE REFERENCE

V10140

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-voltage half-wave rectifier for demanding circuits. Its roughly 40 kV inverse-voltage capability and moderate current suit specialized power systems.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	75 W
PEAK INVERSE VOLTAGE	40000 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	750 mA
WARM-UP TIME	5 s
English text used as primary source; Russian text used only to repair/check ambiguous OCR.	

The V1-0.1/40 is a directly heated rectifier tube used in rectifier circuits, with a 40 kV reverse-voltage limit.

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	5 V	—
Warm-up/Cathode Heating Time	5 s	—
Peak Emission Current	2000 mA	5.5 V filament; 4 kV pulse; 5-10 us; 50 Hz
Anode Current Minimum at 200 V	75 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Reverse Voltage	40000 V	—
Peak Anode Current	750 mA	—
Average/Rectified Anode Current	100 mA	—
Anode Dissipation	75 W	—
Rectified Current	100 mA	—

TUBE TINKER

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and their source documents.

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