



ELECTRONIC TUBE REFERENCE

U16

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-voltage half-wave rectifier intended primarily to supply accelerator or anode voltage to cathode-ray tubes at very low current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE VOLTAGE	5000 V
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	2 mA
MAXIMUM HEATER-CATHODE VOLTAGE	0 V
<i>Published ratings and characteristics promoted from the approved datasheet.</i>	

A directly heated half-wave rectifier designed primarily to supply accelerator or anode voltage to cathode-ray tubes, rated for very high voltage and low rectified current.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Osram Valves

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

1937 OSRAM VALVES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	2 V	Published datasheet value
Heater Current	250 mA	Published datasheet value
Anode Voltage RMS	5000 V	Published datasheet value
Rectified DC Current	2 mA	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

193X Osram

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

193X OSRAM

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode RMS voltage	5000 V	Published datasheet value



1955 Marconi

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

1955 MARCONI

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	2 V	—
Peak inverse voltage	10000 V	—
Nominal/maximum output current	5 mA	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier topology	Half-wave	—

TUBE TINKER

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