

ELECTRONIC TUBE REFERENCE

UY1N

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-vacuum half-wave rectifier for 100 mA series-heater equipment. Its 50 V heater and moderate output capability suit transformerless receiver supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	50 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	140 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
Published ratings and characteristics promoted from the approved source.	

High-vacuum half-wave rectifier for 100 mA series-heater equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	50 V	—
Heater Current	100 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSInputVoltage	250 V	—
Reservoir Capacitance	60 uF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	50 V	Nominal
HeaterCurrentNominal	100 mA	Nominal
Maximum Peak Inverse Voltage	700 V	Rectifier
Rectified Output Current	140 mA	Rectifier

TUBE TINKER

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

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