



ELECTRONIC TUBE REFERENCE

UY11

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated half-wave rectifier for AC/DC receivers using 100 mA series-heater chains. Its 50 V heater provides moderate current for transformerless 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

SECTION 1 Rectifier	
NOMINAL OUTPUT CURRENT	140 mA
MAXIMUM HEATER-CATHODE VOLTAGE	550 V
<i>Half-wave rectifier; transformer-dependent current limits preserved as parameters.</i>	

The UY11 is an indirectly heated half-wave rectifier. The sheet tabulates permissible reservoir-capacitor and series-resistor combinations over several AC input-voltage ranges and allows as much as 140 mA DC in favorable conditions.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TransformerVoltageRMS	250 V	—



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	—



1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC input voltage	250 V rms	—
DC output current	80 mA	AC=170-250Vrms;C=32-60uF;R=50Ohm
DC output current	140 mA	AC=170-250Vrms;C<16uF;R=0Ohm



SOURCE DATA APPENDIX

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
2) with this tube a protective resistance must be	2 w	2) with this tube a protective resistance must be
2) Tith this tube a protective resistance must be	2 s	2) Tith this tube a protective resistance must be