



ELECTRONIC TUBE REFERENCE

UY92

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-vacuum single-anode half-wave rectifier for 100 mA series-heater equipment. Its 26 V heater suits lower-current transformerless supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	26 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	400 V
NOMINAL OUTPUT CURRENT	70 mA
PEAK FORWARD CURRENT	450 mA
MAXIMUM HEATER-CATHODE VOLTAGE	400 V
<i>Single-anode high-vacuum half-wave rectifier; source labels characteristics provisional.</i>	

High-vacuum single-anode rectifier for 100 mA series-heater equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 La Radiotechnique

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

1953 LA RADIOTECHNIQUE

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Perveance	2.9 mA/V ^{1.5}	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ACSupplyVoltage	145 V	HalfWave;OneTube
RectifiedVoltage	160 V	HalfWave;OneTube;ACSupply=145V
MinimumSeriesResistance	0 Ohm	HalfWave;OneTube;ACSupply=145V
InputFilterCapacitorMaximum	100 uF	CapacitorInputFilter



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	26 V	—
Heater Current	100 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reservoir Capacitance	100 uF	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V1

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	400 V	HalfWave
Maximum DC output current	70 mA	HalfWave
Maximum peak cathode/anode current	450 mA	HalfWave
Maximum heater-cathode voltage	400 V	CathodePositive
Maximum filter capacitance	100 uF	CapacitorInputFilter
AC input voltage	145 V RMS	HalfWave
Minimum series resistance	0 ohm	HalfWave; ACInput=145V
DC output voltage	160 V	HalfWave; ACInput=145V
AC input voltage	127 V RMS	HalfWave
Minimum series resistance	0 ohm	HalfWave; ACInput=127V
DC output voltage	137 V	HalfWave; ACInput=127V
AC input voltage	117 V RMS	HalfWave
Minimum series resistance	0 ohm	HalfWave; ACInput=117V
DC output voltage	124 V	HalfWave; ACInput=117V
AC input voltage	110 V RMS	HalfWave
Minimum series resistance	0 ohm	HalfWave; ACInput=110V
DC output voltage	115 V	HalfWave; ACInput=110V