



ELECTRONIC TUBE REFERENCE

AZ31

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Directly heated full-wave power rectifier for AC mains-operated electronic equipment. Its four-volt filament and dual-diode construction provide conventional receiver and amplifier DC power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Octal	BASE PINS	8
NOMINAL HEATER	4 V / 1.1 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
NOMINAL OUTPUT CURRENT	100 mA
<i>Representative of two identical rectifier sections.</i>	

SECTION2 Rectifier	
NOMINAL OUTPUT CURRENT	100 mA
<i>Second physical rectifier section; promoted electrical properties populated from identical section.</i>	

Directly heated full-wave power rectifier for AC mains-operated equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	500 V	OutputCurrent=60mA
RMS Input per Anode	400 V	OutputCurrent=75mA
RMS Input per Anode	300 V	OutputCurrent=100mA
Maximum Reservoir Capacitance	60 uF	—

1951 MULLARD VALVE AND SERVICE MANUAL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	500 V	OutputCurrent=60mA
RMS Input per Anode	400 V	OutputCurrent=75mA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1967 Mullard Receiving Tubes for Maintenance

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

1967 MULLARD RECEIVING TUBES FOR MAINTENANCE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transformer RMS Voltage Per Plate	500 V	FullWave;OutputCurrent60mA
Maximum Rectified Output Current	60 mA	FullWave;Transformer500VrmsPerPlate
Maximum Reservoir Capacitance	60 uF	FullWave;Transformer500VrmsPerPlate
Transformer RMS Voltage Per Plate	400 V	FullWave;OutputCurrent75mA
Maximum Rectified Output Current	75 mA	FullWave;Transformer400VrmsPerPlate
Maximum Reservoir Capacitance	60 uF	FullWave;Transformer400VrmsPerPlate
Transformer RMS Voltage Per Plate	300 V	FullWave;OutputCurrent100mA
Maximum Rectified Output Current	100 mA	FullWave;Transformer300VrmsPerPlate
Maximum Reservoir Capacitance	60 uF	FullWave;Transformer300VrmsPerPlate



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Electrical characteristics reference	AZ1	Published cross-reference

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and their source documents.

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