



ELECTRONIC TUBE REFERENCE

6V4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Twin-anode full-wave rectifier, also designated EZ80, for receiving-equipment power supplies. Rated for approximately 1.3 kV peak inverse voltage, 90 mA DC output, and 300 mA peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9M	BASE PINS	9
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

9M - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – P1	A	P – Plate (Anode)	CONNECTED
PIN3 – K	A	K – Cathode	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – H	–	H – Heater	CONNECTED
PIN7 – P2	B	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1300 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	300 mA
FORWARD VOLTAGE DROP	20 V
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
<i>Full-wave high-vacuum rectifier section.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1300 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	300 mA
FORWARD VOLTAGE DROP	20 V
MAXIMUM HEATER-CATHODE VOLTAGE	500 V

Printed co-designation for the EZ80 twin-anode full-wave rectifier.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Published Amperex table
Heater/filament current	600 mA	Published Amperex table

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC supply plate-to-plate	2x300 V RMS	Published Amperex table
DC output current	90 mA	Published Amperex table
Input-filter capacitance	50 uF	Published Amperex table
DC output voltage	310 V	Published Amperex table



SOURCE OPERATING CONDITIONS

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1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSInputPerAnode	350 V	CapacitorInputFilter
Reservoir Capacitance	50 uF	CapacitorInputFilter



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC output current	90 mA	Rectifier
RMS supply voltage per plate	350 V	FullWave

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	20 V	At 45 mA DC



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	1300 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Current	300 mA	—
RMS Input Voltage per Anode	450 V	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC supply voltage per plate	300 V RMS	FullWave
DC output current maximum	90 mA	FullWave
Maximum input capacitor	50 μ F	CapacitorInputFilter
DC output voltage	310 V	FullWave


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal or stated operating value
Heater or filament current	600 mA	Published nominal or stated operating value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum rectifier capacitor	50 uF	Capacitor-input filter

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