

ELECTRONIC TUBE REFERENCE

EZ40

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Indirectly heated full-wave rectifier for AC mains-operated equipment, electrically related to the EZ80 apart from base and dimensions. Its 6.3 V heater supports moderate receiver power supplies.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	270 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
Rimlock high-vacuum full-wave rectifier.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	270 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
Physical rectifier section 2; identical section values duplicated per physical-section policy.	

FULL-WAVE RECTIFIER Indirectly heated full-wave rectifier primarily EZ40 intended for use in a.c. mains operated equipment. Except for base g and dimensions, the EZ 40 is identical to the EZ80.) a' a" le a" a' k



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
DC output current maximum	90 mA	—
Reservoir capacitance maximum	50 uF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	—



1963 Philips Electron Tubes Handbook V1a

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1A

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC input voltage per plate	250 V RMS	CapacitorInputFilter
DC output current	90 mA	CapacitorInputFilter
Minimum series resistance per plate	125 ohm	CapacitorInputFilter
Maximum filter capacitance	50 uF	CapacitorInputFilter
AC input voltage per plate	275 V RMS	CapacitorInputFilter
DC output current	90 mA	CapacitorInputFilter
Minimum series resistance per plate	175 ohm	CapacitorInputFilter
Maximum filter capacitance	50 uF	CapacitorInputFilter
AC input voltage per plate	300 V RMS	CapacitorInputFilter
DC output current	90 mA	CapacitorInputFilter
Minimum series resistance per plate	215 ohm	CapacitorInputFilter
Maximum filter capacitance	50 uF	CapacitorInputFilter
AC input voltage per plate	350 V RMS	CapacitorInputFilter
DC output current	90 mA	CapacitorInputFilter
Minimum series resistance per plate	300 ohm	CapacitorInputFilter
Maximum filter capacitance	50 uF	CapacitorInputFilter
Maximum heater-cathode voltage	500 V	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chauffage: indirect par C.A.; Ve =	6.3 V	Chauffage: indirect par C.A.; Ve = 6,3V
alimentation parallidle I =	600 mA	alimentation parallidle I = 0,6 A
2 A	2 A	2 A 1954.12.12

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)