



ELECTRONIC TUBE REFERENCE

EB41

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Double diode with separate cathodes and internal inter-section screening, designed for detector and rectifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	RIMLOCK	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
PEAK INVERSE VOLTAGE	420 V
NOMINAL OUTPUT CURRENT	9 mA
PEAK FORWARD CURRENT	54 mA
MAXIMUM HEATER-CATHODE VOLTAGE	150 V
<i>Promoted from clearly identified published ratings/characteristics; additional operating points, capacitances, detector data, microwave data, and special-quality limits are retained in TUBE_SECTION_PARAMETER.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Second physical diode section added in approved section-structure reconciliation.</i>	

Double diode with separate cathodes, internally screened and screened between sections.



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 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode capacitance	3.6 pF	EachSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC transformer voltage maximum	150 V RMS	HalfWave;EachSection
DC output current maximum	9 mA	HalfWave;EachSection
Filter capacitance maximum	8 µF	HalfWave;EachSection
Peak inverse voltage maximum	420 V	EachSection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak current maximum	54 mA	EachSection



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

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 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum diode voltage	420 V	—
Maximum diode current	9 mA	—
Maximum peak diode current	54 mA	—
Maximum half-wave rectifier input voltage	150 V RMS	—
Maximum half-wave DC output current	9 mA	—
Maximum filter input capacitance	8 uF	—
Minimum series resistance	300 ohm	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode-to-cathode capacitance	3.6 pF	—

TUBE TINKER

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

