

ELECTRONIC TUBE REFERENCE

7Z4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Indirectly heated Loctal full-wave rectifier for AC-operated and automobile-radio equipment. Its 6.3 V heater and useful current capability suit receiver and vehicle-radio power supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5AB	BASE PINS	8
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	300 mA
FORWARD VOLTAGE DROP	40 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Published promoted fields populated by semantic section ownership; identical repeated sections compressed.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	300 mA
FORWARD VOLTAGE DROP	40 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
<i>Second physical rectifier section; electrical properties populated from corresponding identical section.</i>	

Indirectly heated full-wave Loctal rectifier for AC and car-radio equipment, rated for 100 mA rectified current.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

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

1948 BRIMAR RADIO VALVE MANUAL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	325 V	CapacitorInputFilter
Rectified Current	100 mA	CapacitorInputFilter
Peak Current per Anode	300 mA	—
Heater-Cathode Potential	450 V	—
Supply Impedance per Anode	50 ohm	CapacitorInputFilter
Reservoir Capacitor	32 uF	CapacitorInputFilter

1948 BRIMAR RADIO VALVE MANUAL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	325 V	CapacitorInputFilter
RMS Input per Anode	325 V	CapacitorInputFilter
Rectified Current	100 mA	CapacitorInputFilter
Rectified Current	100 mA	CapacitorInputFilter
Peak Current per Anode	300 mA	—
Heater-Cathode Potential	450 V	—
Supply Impedance per Anode	50 ohm	CapacitorInputFilter
Reservoir Capacitor	32 uF	CapacitorInputFilter

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	325 V	CapacitorInputFilter
Supply Impedance per Anode	75 ohm	CapacitorInputFilter
Reservoir Capacitance	32 uF	CapacitorInputFilter

1958 BRIMAR RADIO VALVE NO 7

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	325 V	CapacitorInputFilter
RMS Input per Anode	325 V	CapacitorInputFilter
Supply Impedance per Anode	75 ohm	CapacitorInputFilter
Supply Impedance per Anode	75 ohm	CapacitorInputFilter
Reservoir Capacitance	32 uF	CapacitorInputFilter
Reservoir Capacitance	32 uF	CapacitorInputFilter



SOURCE DATA APPENDIX

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 RMS supply voltage per plate	325 V	Full-Wave High-Vacuum

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	40 V	Full-Wave High-Vacuum

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum RMS supply voltage per plate	325 V	Full-Wave High-Vacuum
Maximum RMS supply voltage per plate	325 V	Full-Wave High-Vacuum

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	40 V	Full-Wave High-Vacuum
Forward voltage drop	40 V	Full-Wave High-Vacuum



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	1250 V	—
DC Output Current	100 mA	—

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	1250 V	—
Peak Inverse Voltage	1250 V	—
DC Output Current	100 mA	—
DC Output Current	100 mA	—