



ELECTRONIC TUBE REFERENCE

5Z4G

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Brimar indirectly heated full-wave high-vacuum rectifier for AC mains power supplies. Its five-volt heater-cathode construction provides conventional moderate-current rectification with cathode isolation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	375 mA

Published Ferranti ratings and characteristics promoted from the supplied source.

SECTION2 Rectifier

PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	375 mA

Second physical rectifier section; electrical properties populated from applicable published ratings.

The BRIMAR 5Z4G is an indirectly heated full-wave rectifier for AC mains operation, rated at 1400 V peak inverse voltage and 125 mA rectified output.



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	350 V	CapacitorInputFilter
Supply Impedance per Anode	30 ohm	CapacitorInputFilter; minimum
Rectified Current	125 mA	CapacitorInputFilter; maximum
Reservoir Condenser	32 uF	CapacitorInputFilter; maximum
RMS Input per Anode	500 V	ChokeInputFilter
Input Choke Inductance	5 H	ChokeInputFilter; minimum
Rectified Current	125 mA	ChokeInputFilter; maximum

1948 BRIMAR RADIO VALVE MANUAL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	350 V	CapacitorInputFilter
Supply Impedance per Anode	30 ohm	CapacitorInputFilter; minimum
Rectified Current	125 mA	CapacitorInputFilter; maximum



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	350 V	CapacitorInputFilter
Rectified Current	125 mA	CapacitorInputFilter
Reservoir Capacitor	32 uF	CapacitorInputFilter
RMS Input per Anode	500 V	ChokeInputFilter
Input Choke Inductance	5 H	ChokeInputFilter

1958 BRIMAR RADIO VALVE NO 7

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	350 V	CapacitorInputFilter
Rectified Current	125 mA	CapacitorInputFilter



SOURCE OPERATING CONDITIONS

SOURCE PDF

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	5 V	—
HeaterOrFilamentCurrent	2 A	—

1961 FERRANTI TECHNICAL HANDBOOK

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	5 V	—
HeaterOrFilamentCurrent	2 A	—

TUBE TINKER

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