

ELECTRONIC TUBE REFERENCE

R3

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Brimar full-wave rectifier intended for condenser-input power supplies, providing approximately 120 mA DC output with substantial peak inverse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	120 mA
PEAK FORWARD CURRENT	400 mA
Representative of two identical full-wave rectifier sections.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1500 V
NOMINAL OUTPUT CURRENT	120 mA
PEAK FORWARD CURRENT	400 mA
Second physical Rectifier section added for documented full-wave construction.	

Full-wave rectifier for condenser-input filter service.



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 maximum	500 V	CapacitorInputFilter



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	4 V	—
Heater Current	2.5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input per Anode	500 V	—
Rectified Current	120 mA	—