



ELECTRONIC TUBE REFERENCE

R10

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Miniature high-voltage half-wave rectifier for oscilloscope and television flyback supplies, including CRT EHT generation from line-output pulses.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	12500 V
NOMINAL OUTPUT CURRENT	5 mA
PEAK FORWARD CURRENT	40 mA
MAXIMUM HEATER-CATHODE VOLTAGE	10 V
<i>Published ratings and characteristics promoted semantically from the approved source; identical repeated sections compressed where applicable.</i>	

Miniature high-voltage half-wave rectifier for oscilloscopes and television flyback supplies.

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
Peak inverse voltage full-load maximum	12500 V	—
Supply frequency maximum	100 kHz	—

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
Peak Inverse Voltage No Load	15.5 kV	—
Peak Inverse Voltage Full Load	12.5 kV	—
Peak Anode Current	40 mA	—
Supply Frequency Maximum	100 kHz	—
RMS Input Delayed Switching	5.5 kV	HalfWaveRectifier
Rectified Current	5 mA	HalfWaveRectifier