



ELECTRONIC TUBE REFERENCE

1T2

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Half-wave high-voltage rectifier specifically intended for television flyback supplies, converting horizontal-output pulses into the CRT accelerating-voltage supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	1T2	BASE PINS	2
NOMINAL HEATER	1.4 V / 140 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	2 mA
PEAK FORWARD CURRENT	12 mA
FORWARD VOLTAGE DROP	46 V
<i>Published source values promoted where applicable.</i>	

Half-wave high-voltage rectifier for television flyback supplies. Electrical ratings and representative operating data were extracted from the approved manual page.



SOURCE OPERATING CONDITIONS

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	15 kV	—
Peak Anode Current	12 mA	—
DC Anode Current	0.5 mA	—
Flyback Pulse Frequency	10 kHz	—
Flyback Pulse Width	5 us	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 peak inverse voltage	15000 V	TVFlyback
Maximum peak current	12 mA	TVFlyback

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	46 V	At 4 mA DC

TUBE TINKER

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and their source documents.

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