

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

1Y2

1 SECTION
CONSTRUCTION
RECTIFIER

Rectifier - TV Line Scan Boost electronic tube

Directly heated high-voltage half-wave rectifier for very-low-current supplies. Its extremely high inverse-voltage capability and modest filament requirements suit specialized high-voltage electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4P	BASE PINS	–
NOMINAL HEATER	1.5 V / 290 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	50000 V
NOMINAL OUTPUT CURRENT	2 mA
PEAK FORWARD CURRENT	10 mA
FORWARD VOLTAGE DROP	100 V
Directly heated half-wave high-voltage rectifier with a 50 kV peak-inverse-voltage rating.	

Directly heated half-wave high-voltage rectifier with a 50 kV peak-inverse-voltage rating. Published maximum ratings, characteristics, and representative operating conditions were extracted from the approved manual page.

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 inverse voltage	50000 V	HalfWaveRectifier
Maximum DC output current	2 mA	HalfWaveRectifier
Maximum peak current	10 mA	HalfWaveRectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	100 V	HalfWaveRectifier; At 8 mA DC

TUBE TINKER

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and their source documents.

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