



ELECTRONIC TUBE REFERENCE

1Y32T

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Tesla high-voltage rectifier for television flyback/EHT service. It rectifies horizontal line-transformer pulses to generate CRT accelerating voltage with a low-power filament at elevated potential.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 265 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	0.2 mA
PEAK FORWARD CURRENT	5 mA
<i>Published ratings and characteristics promoted from the source where directly stated.</i>	

Directly heated half-wave high-voltage rectifier for television receiver EHT supplies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X TESLA

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	1.4 V	Published nominal value
Heater or filament current	265 mA	Published nominal value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum rectified voltage	15 kV	High-voltage rectifier
Maximum filter capacitance	1200 pF	Published limiting value

TUBE TINKER

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