

3A3

Rectifier - TV Line Scan Boost electronic tube

High-voltage half-wave vacuum rectifier for television scanning pulses. It rectifies line-output flyback energy to provide picture-tube high voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8EZ	BASE PINS	8
NOMINAL HEATER	3.15 V / 220 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8EZ - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – IC	–	–	IC
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – IC	–	–	IC
PIN5 – IC	–	–	IC
PIN7 – K	A	K – Cathode	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
CAP1 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	50000 V
NOMINAL OUTPUT CURRENT	1.7 mA
PEAK FORWARD CURRENT	88 mA
<i>Pulsed rectifier service.</i>	

High-voltage half-wave vacuum rectifier for television scanning pulses.



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
Peak inverse voltage	30000 V	Published rectifier service
DC output current	1.5 mA	Published rectifier service
Peak current	80 mA	Published rectifier service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	3.15 V	Published heater/filament rating
Heater/filament current	220 mA	Published heater/filament rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage	50000 V	PulsedRectifier
Peak plate current	88 mA	PulsedRectifier
Average plate current	1.7 mA	PulsedRectifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate to heater cathode and internal shield	1.5 pF	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Rectifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	2.65 V	Capacitances 6UN DER NO CIRCUMSTANCES SHOULD TMI\$ VOLTAGE FALL BELOW 2.65 VOLTS. OR E%GEED j.65 VOLTS.
Published electrical value	65 V	Capacitances 6UN DER NO CIRCUMSTANCES SHOULD TMI\$ VOLTAGE FALL BELOW 2.65 VOLTS. OR E%GEED j.65 VOLTS.

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