



ELECTRONIC TUBE REFERENCE

1S2A

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

High-vacuum single-anode television line-flyback EHT rectifier for generating CRT accelerating voltage from horizontal timebase transformer pulses.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E91	BASE PINS	9
NOMINAL HEATER	1.4 V / 550 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	27000 V
NOMINAL OUTPUT CURRENT	0.8 mA
PEAK FORWARD CURRENT	40 mA
<i>Published Rogers/JETEC/RMA ratings and characteristics promoted where applicable; additional data retained as parameters.</i>	

High-voltage television rectifier diode for flyback power-supply service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output voltage typical	18000 V	—
Output current typical	0.15 mA	—



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

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate To Cathode And Heater Capacitance	1.8 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumFilterInputCapacitor	2000 pF	—
DC Output Voltage	18000 V	—
DC Output Current	0.15 mA	—



1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	22000 V	AbsoluteMaximum
Maximum plate current	40 mA	HalfWave



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage maximum	20000 V	FlybackRectifier
Average plate current maximum	0.8 mA	FlybackRectifier
Peak plate current maximum	25 mA	FlybackRectifier
Application	High-voltage television rectifier	Section1
X-ray shielding note	Observe high-voltage X-ray precautions	Section1

TUBE TINKER

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