

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

1X2

1 SECTION
CONSTRUCTION
RECTIFIER

Rectifier - TV Line Scan Boost electronic tube

Directly heated high-voltage rectifier for television flyback supplies. It rectifies horizontal-output transformer pulses to generate CRT accelerating voltage, using a low-power filament that operates at elevated potential.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9Y	BASE PINS	9
NOMINAL HEATER	1.25 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9Y - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – F1	–	F – Filament	CONNECTED
PIN2 – F2	–	F – Filament	CONNECTED
PIN3 – IC	–	–	IC
PIN4 – F1	–	F – Filament	CONNECTED
PIN5 – F2	–	F – Filament	CONNECTED
PIN6 – F1	–	F – Filament	CONNECTED
PIN7 – IC	–	–	IC
PIN8 – F2	–	F – Filament	CONNECTED
PIN9 – F1	–	F – Filament	CONNECTED
CAP1 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	1 mA
PEAK FORWARD CURRENT	10 mA
FORWARD VOLTAGE DROP	100 V
<i>Directly heated half-wave high-voltage rectifier for television flyback supplies.</i>	

Directly heated high-voltage television rectifier diode (1X2) for flyback service.



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	15000 V	TVFlyback
Maximum DC output current	1 mA	TVFlyback
Maximum peak current	10 mA	TVFlyback

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	100 V	TVFlyback; At 7 mA DC



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
Heater voltage	1.25 V	Nominal
Heater current	200 mA	Nominal



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	22000 V	FlybackRectifier
Average plate current maximum	0.5 mA	FlybackRectifier
Application	Television high-voltage rectifier	Section1

TUBE TINKER

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