



ELECTRONIC TUBE REFERENCE

2AS2

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Compactron high-voltage rectifier diode for television flyback power supplies. It converts line-output pulses into the high DC voltage required by the picture tube.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	2.5 V / 330 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	1 mA
PEAK FORWARD CURRENT	80 mA
FORWARD VOLTAGE DROP	100 V
Peak inverse voltage uses total DC plus peak rating; 24 kV DC component is preserved in parameters.	

Compactron high-voltage rectifier diode for television flyback power supplies.



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
PeakInverseVoltageDCComponent	24000 V	FlybackRectifierService
PeakInverseVoltageTotalDCPeak	30000 V	FlybackRectifierService

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate To Heater Cathode Shield Capacitance	1.4 pF	—



SOURCE OPERATING CONDITIONS

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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	30000 V	FlybackRectifier
Average plate current maximum	1 mA	FlybackRectifier
Application	Compactron TV high-voltage rectifier	Section1

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 4 of 7

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

1971 RCA HB3 BINDER 4 OF 7

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	2.5 V	—
Heater/filament current	330 mA	—
Peak inverse plate voltage total DC plus peak	30000 V	PulsedRectifier
Maximum DC component of inverse plate voltage	24000 V	PulsedRectifier
Peak plate current	80 mA	PulsedRectifier
Average plate current	1.5 mA	PulsedRectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	100 V	PlateCurrent=7mA

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	High-voltage half-wave pulsed rectifier	TelevisionFlyback