



ELECTRONIC TUBE REFERENCE

35Y4

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Lock-in single-diode half-wave power rectifier for AC/DC receiver supplies. Its 35 V series-string heater and moderate output capability suit transformerless radio equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5AL	BASE PINS	8
NOMINAL HEATER	35 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	18 V
WARM-UP TIME	20 s
Published promoted fields populated by semantic section ownership.	

Lock-in single diode for half-wave power-rectifier 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	18 V	At200mADC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	100 mA	HalfWave;NoPanelLamp
Peak inverse voltage maximum	700 V	HalfWave
RMS supply voltage maximum	235 V	HalfWave
Peak current maximum	600 mA	HalfWave
DC output current maximum	60 mA	PanelLamp40or47;NoShuntResistor
DC output current maximum	90 mA	PanelLamp;ShuntResistorMax250Ohm



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
DC Output Current	100 mA	HalfWave

TUBE TINKER

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