

ELECTRONIC TUBE REFERENCE

6202

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Miniature full-wave high-vacuum rectifier for compact electronic power supplies. Rated for approximately 1.25 kV peak inverse voltage and 50 mA nominal rectified output from an indirectly heated 6.3 V cathode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E7-1	BASE PINS	7
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	50 mA
PEAK FORWARD CURRENT	200 mA
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
Representative row for electrically identical repeated sections.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	50 mA
PEAK FORWARD CURRENT	200 mA
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
<i>Second physical rectifier section; electrical properties populated from applicable published ratings.</i>	

Miniature full-wave high-vacuum rectifier.



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
DC output current	50 mA	FullWave
Peak inverse voltage	1250 V	FullWave
RMS supply voltage per plate	325 V	FullWave
Peak current per plate	200 mA	FullWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	22 V	At50mADC



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
SteadyStatePeakPlateCurrentPerPlate	200 mA	—
TransientPeakPlateCurrentPerPlate	1.45 A	—
AltitudeFor1250VPeakInverse	40000 ft	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AltitudeMaximum	60000 ft	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1966 Tung Sol Electronic Tubes 4 of 4

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1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	600 mA	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application summary	Miniature full-wave high-vacuum rectifier.	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC plate voltage per plate	325 V	—
DC output current	50 mA	—
Peak inverse voltage	1250 V	—
Peak plate current per plate	245 mA	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ACPlateSupplyVoltagePerPlateRMS	325 V	CapacitorInputFilter
ACPlateSupplyVoltagePerPlateRMS	450 V	ChokeInputFilter
DC Output Current	50 mA	CapacitorInputFilter
DC Output Current	50 mA	ChokeInputFilter
DC Output Voltage At Filter Input	365 V	CapacitorInputFilter
DC Output Voltage At Filter Input	375 V	ChokeInputFilter
TotalPlateSupplyResistancePerPlate	175 ohm	CapacitorInputFilter
Filter Input Choke	8 H	ChokeInputFilter
be used	1 C	—
Maximum Duration	0.2 C	Rectifier Service - Sinusoidal Supply Voltages, Frequency Range
PIN	2 C	—
PIN	7 C	—
Y Rs	75 ohm	—
Eyf	6.3 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	22 V	AppliedDC=50mA per plate

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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