

ELECTRONIC TUBE REFERENCE

5R4WGA

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Ruggedized directly heated full-wave high-vacuum rectifier for reliable high-voltage and high-altitude power-supply service, providing approximately 275 mA DC output with high inverse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	3050 V
NOMINAL OUTPUT CURRENT	275 mA
PEAK FORWARD CURRENT	700 mA
WARM-UP TIME	10 s
Representative row for repeated electrically identical sections.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	3050 V
NOMINAL OUTPUT CURRENT	275 mA
PEAK FORWARD CURRENT	700 mA
WARM-UP TIME	10 s
Second physical rectifier section; promoted electrical properties populated from identical section.	

Rugged directly heated high-vacuum full-wave rectifier with a shock-mounted skirted base, intended for reliable high-voltage power-supply service and high-altitude operation.



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	5 V	—
Heater current	2 A	—

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	—
Heater current	2 A	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	—
Heater current	2 A	—
AC plate voltage per plate	900 V	ChokeInputFilter
Input choke	10 H	ChokeInputFilter

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	165 mA	ChokeInputFilter
DC output voltage full load	840 V	ChokeInputFilter
AC plate voltage per plate	700 V	CapacitorInputFilter
Input capacitor	4 uF	CapacitorInputFilter
Minimum plate supply impedance per plate	100 ohm	CapacitorInputFilter
DC output current	275 mA	CapacitorInputFilter
DC output voltage full load	730 V	CapacitorInputFilter
Maximum peak inverse voltage	3050 V	—
Nominal DC output current	275 mA	—
Maximum peak forward current	700 mA	—
Warmup time	10 s	—

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	—

TUBE TINKER

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