



ELECTRONIC TUBE REFERENCE

5AT4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

High-vacuum full-wave power rectifier designed for high-current DC supplies with relatively low internal voltage drop. Its indirectly heated construction provides substantial inverse-voltage capability and approximately 300 mA nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 5.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1550 V
NOMINAL OUTPUT CURRENT	300 mA
PEAK FORWARD CURRENT	2.25 A
FORWARD VOLTAGE DROP	31 V
WARM-UP TIME	30 s
Representative row for two identical full-wave rectifier plates.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1550 V
NOMINAL OUTPUT CURRENT	300 mA
PEAK FORWARD CURRENT	2.25 A
FORWARD VOLTAGE DROP	31 V
WARM-UP TIME	30 s
<i>Second physical rectifier section; electrical properties populated from applicable published ratings.</i>	

High-vacuum full-wave power rectifier with very low internal voltage drop for high-current DC 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
AC plate voltage per plate RMS	350 V	FullWave
Minimum total effective plate supply impedance per plate	15 ohm	FullWave

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC plate voltage per plate RMS	350 V	FullWave
Minimum total effective plate supply impedance per plate	15 ohm	FullWave