



ELECTRONIC TUBE REFERENCE

26Z5W

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Premium ruggedized double-diode rectifier for airborne and demanding equipment. Rated for approximately 1.375 kV peak inverse voltage and 100 mA DC output, supporting half-wave, full-wave, or voltage-doubler circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9BS	BASE PINS	9
NOMINAL HEATER	26.5 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1375 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
Representative row for two identical diode sections; published full-wave output current 100 mA.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1375 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
<i>Second physical rectifier section; electrical properties populated from the documented identical section.</i>	

The 26Z5W is a premium ruggedized heater-cathode double diode suitable for half-wave or full-wave rectification and voltage-doubler service, with a 26.5-volt heater suited to airborne equipment.

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
Heater/filament voltage	26.5 V	Published heater/filament rating
Heater/filament current	200 mA	Published heater/filament rating
Tube voltage drop	22 V	At 100 mA DC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	50 mA	FullWave
Peak inverse voltage	1250 V	FullWave
RMS supply voltage	325 V	FullWave
Peak current	300 mA	FullWave

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	26.5 V	Published heater/filament rating
Heater/filament current	200 mA	Published heater/filament rating
Tube voltage drop	22 V	At 100 mA DC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	50 mA	FullWave
Peak inverse voltage	1250 V	FullWave
RMS supply voltage	325 V	FullWave

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak current	300 mA	FullWave


SOURCE DATA APPENDIX

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 Supply Voltage	325 V	CapacitorInputFilter;EachPlate
AC Plate Supply Voltage	450 V	ChokeInputFilter;EachPlate

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Voltage	305 V	CapacitorInputFilter
DC Output Voltage	380 V	ChokeInputFilter

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate Supply Voltage	325 V	CapacitorInputFilter;EachPlate
AC Plate Supply Voltage	450 V	ChokeInputFilter;EachPlate

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Voltage	305 V	CapacitorInputFilter


SOURCE DATA APPENDIX

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
Peak inverse plate voltage	1375 V	WholeTube
Maximum DC plate current each plate	300 mA	WholeTube
Maximum DC output current per plate	55 mA	WholeTube
Maximum surge current	1 A	WholeTube
AC plate supply voltage each plate RMS	325 V	FullWave CapacitorInputFilter
DC output current	135 mA	FullWave CapacitorInputFilter
DC output voltage at filter input	325 V	FullWave CapacitorInputFilter
AC plate supply voltage each plate RMS	450 V	FullWave ChokeInputFilter
Output choke	10 H	FullWave ChokeInputFilter
DC output current	105 mA	FullWave ChokeInputFilter
DC output voltage at filter input	380 V	FullWave ChokeInputFilter

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage	1375 V	WholeTube
Maximum DC plate current each plate	300 mA	WholeTube
Maximum DC output current per plate	55 mA	WholeTube
Maximum surge current	1 A	WholeTube
AC plate supply voltage each plate RMS	325 V	FullWave CapacitorInputFilter

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	135 mA	FullWave CapacitorInputFilter
DC output voltage at filter input	325 V	FullWave CapacitorInputFilter
AC plate supply voltage each plate RMS	450 V	FullWave ChokeInputFilter
Output choke	10 H	FullWave ChokeInputFilter
DC output current	105 mA	FullWave ChokeInputFilter
DC output voltage at filter input	380 V	FullWave ChokeInputFilter

TUBE TINKER

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

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