



ELECTRONIC TUBE REFERENCE

25Z6WGT

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Ruggedized heater-cathode twin-diode high-vacuum rectifier for receiver power supplies. Its octal construction supports half-wave and voltage-doubler operation with approximately 730 V peak inverse-voltage capability and 85 mA nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7Q	BASE PINS	7
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	730 V
NOMINAL OUTPUT CURRENT	85 mA
PEAK FORWARD CURRENT	500 mA
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Representative row for two identical rectifier sections.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	730 V
NOMINAL OUTPUT CURRENT	85 mA
PEAK FORWARD CURRENT	500 mA
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
<i>Second physical rectifier section; electrical properties populated from corresponding identical section.</i>	

The 25Z6WGT is a ruggedized heater-cathode twin-diode high-vacuum rectifier/doubler in octal construction, designed for receiver power supplies and usable in half-wave or voltage-doubler configurations.

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	25 V	Published heater/filament rating
Heater/filament current	300 mA	Published heater/filament rating
Tube voltage drop	22 V	At 150 mA DC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	75 mA	RectifierDoubler
Peak inverse voltage	700 V	RectifierDoubler
RMS supply voltage	235 V	RectifierDoubler
Peak current	450 mA	RectifierDoubler

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	25 V	Published heater/filament rating
Heater/filament current	300 mA	Published heater/filament rating
Tube voltage drop	22 V	At 150 mA DC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	75 mA	RectifierDoubler
Peak inverse voltage	700 V	RectifierDoubler
RMS supply voltage	235 V	RectifierDoubler

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak current	450 mA	RectifierDoubler


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
PlateSupplyVoltageRMS	235 V	HalfWave;CapacitorInputFilter
Filter Input Capacitor	16 uF	HalfWave;CapacitorInputFilter

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateSupplyVoltageRMS	235 V	HalfWave;CapacitorInputFilter
Filter Input Capacitor	16 uF	HalfWave;CapacitorInputFilter


SOURCE DATA APPENDIX

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
Peak inverse plate voltage	730 V	WholeTube

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current per plate	85 mA	WholeTube
Peak plate current per plate	500 mA	WholeTube
Tube voltage drop at 150 mA	22 V	Characteristic
Plate supply voltage RMS per plate	117 V	CapacitorInputFilter
Filter input capacitor	16 μ F	CapacitorInputFilter
DC output current per plate	75 mA	CapacitorInputFilter
DC output voltage	115 V	CapacitorInputFilter

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage	730 V	WholeTube
DC output current per plate	85 mA	WholeTube
Peak plate current per plate	500 mA	WholeTube
Tube voltage drop at 150 mA	22 V	Characteristic
Plate supply voltage RMS per plate	117 V	CapacitorInputFilter
Filter input capacitor	16 μ F	CapacitorInputFilter
DC output current per plate	75 mA	CapacitorInputFilter
DC output voltage	115 V	CapacitorInputFilter

TUBE TINKER

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