



ELECTRONIC TUBE REFERENCE

25Z6GT

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Cathode-type full-wave high-vacuum rectifier for transformerless receiver power supplies and voltage-doubler service. Rated for approximately 700 V peak inverse voltage and 75 mA nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7-7	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	700 V
NOMINAL OUTPUT CURRENT	75 mA
PEAK FORWARD CURRENT	450 mA
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Representative row for two identical rectifier sections; ratings are per plate under design-center values.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	75 mA
PEAK FORWARD CURRENT	450 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>	

Cathode-type full-wave high-vacuum rectifier for transformerless receiver power supplies and voltage-doubler service.

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
ACPlateVoltageRMS	235 V	PerPlate
PlateSupplyImpedance	30 ohm	VoltageDoubler;HalfWave
PlateSupplyImpedance	15 ohm	VoltageDoubler;FullWave

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ACPlateVoltageRMS	235 V	PerPlate
PlateSupplyImpedance	30 ohm	VoltageDoubler;HalfWave
PlateSupplyImpedance	15 ohm	VoltageDoubler;FullWave



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

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

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate Voltage per Plate RMS	235 V	HalfWaveRectifier
Filter Input Capacitor	16 uF	TypicalOperation

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Current per Plate	75 mA	TypicalOperation

1968 GENERAL ELECTRIC CO

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate Voltage per Plate RMS	235 V	HalfWaveRectifier
Filter Input Capacitor	16 uF	TypicalOperation

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Current per Plate	75 mA	TypicalOperation

TUBE TINKER

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