

Twin-diode power rectifier with independent diode units and a tapped 50 V heater for pilot-lamp operation. It is intended for flexible receiver power-supply rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8AN	BASE PINS	8
NOMINAL HEATER	50 V / 150 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 independent identical diode sections; 65 mA per plate with panel lamp preserved in parameters.	

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 applicable published ratings.</i>	

Twin-diode power rectifier with independent diode units and a heater tap for pilot-lamp operation.

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	50 V	Published heater/filament rating
Heater/filament current	150 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	RectifierService
Peak inverse voltage	700 V	RectifierService
RMS supply voltage per plate	235 V	RectifierService
Peak current per plate	450 mA	RectifierService

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	50 V	Published heater/filament rating
Heater/filament current	150 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	RectifierService
Peak inverse voltage	700 V	RectifierService
RMS supply voltage per plate	235 V	RectifierService

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak current per plate	450 mA	RectifierService



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
Heater voltage	50 V	—
Heater current	150 mA	—
Maximum AC plate voltage RMS	235 V	HalfWave
Maximum DC output current with panel lamp	65 mA	EachPlate
Tapped heater-section voltage	7.5 V	—
AC plate-supply voltage RMS	117 V	VoltageDoubler

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	50 V	—
Heater voltage	50 V	—
Heater current	150 mA	—
Heater current	150 mA	—
Maximum AC plate voltage RMS	235 V	HalfWave
Maximum AC plate voltage RMS	235 V	HalfWave
Maximum DC output current with panel lamp	65 mA	EachPlate
Maximum DC output current with panel lamp	65 mA	EachPlate

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tapped heater-section voltage	7.5 V	—
Tapped heater-section voltage	7.5 V	—
AC plate-supply voltage RMS	117 V	VoltageDoubler
AC plate-supply voltage RMS	117 V	VoltageDoubler

TUBE TINKER

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