



ELECTRONIC TUBE REFERENCE

25X6GT

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Dual-section high-vacuum rectifier for series-heater AC/DC receiver power supplies. Its 25 V heater supports voltage-doubler and half-wave configurations with approximately 60 mA nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	70	BASE PINS	7
NOMINAL HEATER	25 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
NOMINAL OUTPUT CURRENT	60 mA
FORWARD VOLTAGE DROP	25 V
<i>Published section data promoted where applicable; additional operating values retained as parameters.</i>	

SECTION2 Rectifier	
NOMINAL OUTPUT CURRENT	60 mA
FORWARD VOLTAGE DROP	25 V
<i>Second physical rectifier section; electrical properties populated from corresponding identical section.</i>	

High-vacuum rectifier-voltage doubler designed primarily for series-heater operation in AC-DC receivers, usable in voltage-doubler and half-wave rectifier circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1939 Arcturus

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1939 ARCTURUS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC voltage per plate	125 V	VoltageDoubler
DC output current	60 mA	VoltageDoubler
AC voltage per plate	250 V	HalfWave;100OhmSeriesResistor
DC output current per plate	60 mA	HalfWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	25 V	At120mA

1939 ARCTURUS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC voltage per plate	125 V	VoltageDoubler
DC output current	60 mA	VoltageDoubler
AC voltage per plate	250 V	HalfWave;100OhmSeriesResistor
DC output current per plate	60 mA	HalfWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	25 V	At120mA

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	150 mA	Published heater/filament rating
Tube voltage drop	25 V	At 120 mA DC
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	60 mA	RectifierDoubler
RMS supply voltage	125 V	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	150 mA	Published heater/filament rating
Tube voltage drop	25 V	At 120 mA DC
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	60 mA	RectifierDoubler
RMS supply voltage	125 V	RectifierDoubler

TUBE TINKER

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