



ELECTRONIC TUBE REFERENCE

50Z6G

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Heavy-duty twin-section high-vacuum rectifier using a common 50 V heater. Designed for receiver power supplies, it provides greater current capability than many related series-string rectifiers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	70	BASE PINS	7
NOMINAL HEATER	50 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	125 mA
PEAK FORWARD CURRENT	750 mA
<i>Promoted ratings/characteristics from 50Z6G.pdf.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	750 mA
<i>Second physical rectifier section; electrical properties populated from applicable published ratings.</i>	

RCIAL RELEASE Eytron 50Z6G Hytron 50Z6G is a heavy duty high vacuum rectifier with two separate rectifier units using a common heater.

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	300 mA	Published heater/filament rating
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	125 mA	RectifierService
Peak inverse voltage	700 V	RectifierService
RMS supply voltage per plate	235 V	RectifierService
Peak current per plate	750 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 voltage	50 V	Published heater/filament rating
Heater/filament current	300 mA	Published heater/filament rating
Heater/filament current	300 mA	Published heater/filament rating
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	125 mA	RectifierService
DC output current	125 mA	RectifierService
Peak inverse voltage	700 V	RectifierService

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	700 V	RectifierService
RMS supply voltage per plate	235 V	RectifierService
RMS supply voltage per plate	235 V	RectifierService
Peak current per plate	750 mA	RectifierService