



ELECTRONIC TUBE REFERENCE

35Z6G

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

High-vacuum rectifier and voltage-doubler tube for AC/DC supplies. Rated for approximately 700 V peak inverse voltage and 110 mA DC output from a 35 V series-string heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	70	BASE PINS	7
NOMINAL HEATER	35 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE VOLTAGE	235 V
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	110 mA
PEAK FORWARD CURRENT	660 mA
FORWARD VOLTAGE DROP	20 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Representative row for two electrically identical independent rectifier sections.	

SECTION2 Rectifier	
MAXIMUM PLATE VOLTAGE	235 V
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	110 mA
PEAK FORWARD CURRENT	660 mA
FORWARD VOLTAGE DROP	20 V
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
<i>Second physical rectifier section; electrical properties populated from the documented identical section.</i>	

35Z6G is listed in the supplied receiving-tube handbook as a high-vacuum rectifier/doubler. The published heater/filament rating is 35.0 V at 0.3 A.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	700 V	Published rectifier service
DC output current	110 mA	Published rectifier service
Peak current	660 mA	Published rectifier service
RMS supply voltage	235 V	Published rectifier service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	20 V	At 220 mA DC
Heater/filament voltage	35 V	Published heater/filament rating
Heater/filament current	300 mA	Published heater/filament rating

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	700 V	Published rectifier service
DC output current	110 mA	Published rectifier service
Peak current	660 mA	Published rectifier service

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
AC plate voltage per plate RMS	117 V	VoltageDoubler
DC output current	110 mA	VoltageDoubler

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop at 220 mA DC per plate	20 V	—

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC plate voltage per plate RMS	117 V	VoltageDoubler
DC output current	110 mA	VoltageDoubler

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop at 220 mA DC per plate	20 V	—