

ELECTRONIC TUBE REFERENCE

Z2731

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

General Electric ceramic-metal planar power rectifier diode. Rated for approximately 1 kV peak inverse voltage, 125 mA DC output, and 1.1 A peak current from a 6.3 V heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	1.1 A
FORWARD VOLTAGE DROP	37 V
MAXIMUM HEATER-CATHODE VOLTAGE	300 V

The Z2731 is described by the approved General Electric datasheet.

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
Heater Voltage AC or DC 6 3+0	6 V	Heater Characteristics and Ratings
Heater Current 1	0 mA	Heater Characteristics and Ratings
Peak Inverse Plate Voltage	1000 V	MAXIMUM RATINGS
Steady-State Peak Plate Current per Plate	1.1 A	MAXIMUM RATINGS
Maximum Duration 0 2 Second	5.5 A	MAXIMUM RATINGS
Heater Positive with Respect to Cathode	300 V	MAXIMUM RATINGS
Heater Negative with Respect to Cathode	300 V	MAXIMUM RATINGS
FH PLATE CURRENT OF	5.5 A	II, and III. Rating Chart I presents the maximum ratings for a-c plate-

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate-Supply Voltage RMS	250 V	CHARACTERISTICS AND TYPICAL OPERATION
Filter Input Capacitor	50 uF	CHARACTERISTICS AND TYPICAL OPERATION
Total Plate-Supply Resistance	18 Ohm	CHARACTERISTICS AND TYPICAL OPERATION
DC Output Current	125 mA	CHARACTERISTICS AND TYPICAL OPERATION
DC Output Voltage at Filter Input	260 V	CHARACTERISTICS AND TYPICAL OPERATION
Ib 300 Milliamperes	37 V	CHARACTERISTICS AND TYPICAL OPERATION

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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