



ELECTRONIC TUBE REFERENCE

400

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

DIODE

Two-electrode high-vacuum laboratory tube designed for studying fundamental electron phenomena, using a pure tungsten filament for emission experiments.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 2.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Diode	
MAXIMUM PLATE VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	15 W
Maximum anode voltage and anode dissipation promoted from the printed maximum-ratings table.	

Two-electrode high-vacuum tube designed and tested for study of fundamental electronic phenomena, using a pure tungsten filament suited to emission studies and a zirconium-coated nickel anode.

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 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage maximum	4.75 V	—
Typical anode voltage	100 V	—
Typical anode current	25 mA	—
Filament diameter	0.005 in	—
Filament free length	1.25 in	—
Anode inside diameter	0.62 in	—