



ELECTRONIC TUBE REFERENCE

DCG33000

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-output mercury-vapor half-wave rectifier with oxide filament for industrial conversion. Rated for approximately 7.5 kV peak inverse voltage, 1 A average output, and 4 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 6.75 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	7500 V
NOMINAL OUTPUT CURRENT	1 A
PEAK FORWARD CURRENT	4 A
FORWARD VOLTAGE DROP	16 V
Published ratings/characteristics promoted from supplied datasheet.	

High-output mercury-vapour rectifier with oxide filament.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	—
Heater current	6.75 A	—
Maximum peak inverse voltage	7500 V	—
Maximum rectified current	1 A	—
Maximum peak forward current	4 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	16 V	—