



ELECTRONIC TUBE REFERENCE

DCG21000

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Mercury-vapor half-wave rectifier with barium-oxide filament for industrial supplies. Rated for approximately 5 kV peak inverse voltage, 500 mA average output, and 2.5 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	50 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	5000 V
NOMINAL OUTPUT CURRENT	500 mA
PEAK FORWARD CURRENT	2.5 A
FORWARD VOLTAGE DROP	16 V
Published ratings/characteristics promoted from supplied datasheet.	

Mercury-vapour half-wave rectifier with barium-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	50 V	—
Maximum peak inverse voltage	5000 V	—
Maximum rectified current	500 mA	—
Maximum peak forward current	2.5 A	—

CHARACTERISTIC

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

TUBE TINKER

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