



ELECTRONIC TUBE REFERENCE

DCG2500

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated mercury-vapor half-wave rectifier with oxide cathode for industrial high-voltage conversion. Rated for approximately 6.3 kV peak inverse voltage, 250 mA average current, and 1 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 4.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	6300 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	13 V
Published ratings/characteristics promoted from supplied datasheet.	

Half-wave mercury-vapour rectifier with directly heated oxide cathode.

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	20 V	—
Heater current	4.5 A	—
Maximum peak inverse voltage	6300 V	—
Maximum rectified current	250 mA	—
Maximum peak forward current	1 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	13 V	—