



ELECTRONIC TUBE REFERENCE

DCG52500

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Mercury-vapor half-wave rectifier for high-voltage conversion whose construction also permits relay-tube service, combining rectification with gas-discharge control capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	50 V / 10 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	12000 V
NOMINAL OUTPUT CURRENT	500 mA
PEAK FORWARD CURRENT	2.5 A
FORWARD VOLTAGE DROP	16 V
<i>Published ratings/characteristics promoted from supplied datasheet.</i>	

Mercury-vapour rectifier; construction also permits relay-tube use.

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	—
Heater current	10 A	—
Maximum peak inverse voltage	12000 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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and their source documents.

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