



ELECTRONIC TUBE REFERENCE

DC150

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Philips directly heated high-vacuum full-wave rectifier for high-voltage power supplies. Rated for approximately 2.8 kV peak inverse voltage and 75 mA rectified DC output from a 22 V filament.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	2800 V
NOMINAL OUTPUT CURRENT	75 mA
Rectifier section; ratings and characteristics extracted from source datasheet.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	2800 V
NOMINAL OUTPUT CURRENT	75 mA
Second physical rectifier section; electrical properties populated from applicable published ratings.	

Philips directly heated high-vacuum rectifier intended for full-wave power-supply service. The datasheet provides heater requirements, permissible transformer/anode voltages, rectified-current data, and rectifier operating characteristics.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
22	22 V	Published datasheet condition
Caractéristiques : % Vo	-1 a	Published datasheet condition
Published value	2500 V	Published datasheet condition
< N el LJ Vi=2x,	0 V	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Vie .o oo i v vt i v s s e =max 2x	1000 V	Published datasheet condition
JRe o e o o o e v v et s s e e s o . == max 2X%X	37.5 mA	Published datasheet condition

1999 PHILIPS 0-D

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
22	22 V	Published datasheet condition
Caractéristiques : % Vo	-1 a	Published datasheet condition
Published value	2500 V	Published datasheet condition
< N el LJ Vi=2x,	0 V	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Vie .o oo i v vt i v s s e =max 2x	1000 V	Published datasheet condition

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
JRe o e o o o e v v et s s e e s o . == max 2X%X	37.5 mA	Published datasheet condition