



ELECTRONIC TUBE REFERENCE

DE2200

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Philips indirectly heated full-wave high-vacuum rectifier for high-voltage power supplies. Rated for approximately 5.7 kV peak inverse voltage and 100 mA DC output per documented rectifier section.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	5700 V
NOMINAL OUTPUT CURRENT	100 mA
Full-wave rectifier; identical rectifier paths compressed to one representative section.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	5700 V
NOMINAL OUTPUT CURRENT	100 mA
Second physical rectifier section; electrical properties populated from applicable published ratings.	

Indirectly heated full-wave high-vacuum rectifier. The supplied Philips sheet was read for heater/filament data, ratings, characteristics, capacitances, and operating conditions where published.

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
Maximum RMS anode voltage per plate	2000 V	—
Maximum peak inverse voltage	5700 V	—
Maximum DC output current	100 mA	—
Maximum DC output voltage	2500 V	Transformer=2x2000V;FilterCapacitance=2uF

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Internal resistance	650 ohm	—
Saturation current	2x0.9 A	—

1999 PHILIPS 0-D

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum RMS anode voltage per plate	2000 V	—
Maximum peak inverse voltage	5700 V	—
Maximum DC output current	100 mA	—
Maximum DC output voltage	2500 V	Transformer=2x2000V;FilterCapacitance=2uF

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Internal resistance	650 ohm	—
Saturation current	2x0.9 A	—