



ELECTRONIC TUBE REFERENCE

DA61500

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Philips directly heated high-vacuum rectifier for high-voltage DC supplies. Its 14 V filament supports approximately 2-6 kV RMS anode service and 250 mA mean rectified current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	14 V / 12.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PLATE RESISTANCE	500 Ω
MAXIMUM PLATE DISSIPATION	200 W
NOMINAL OUTPUT CURRENT	250 mA
<i>Published ratings and characteristics promoted where a locked-schema field is semantically applicable; additional values retained as parameters.</i>	

Philips DA61500 is a directly heated high-vacuum rectifier with a 14 V, 12.5 A filament. Published service covers 2000-6000 V RMS anode voltage and 250 mA mean rectified current, with 200 W allowable anode dissipation.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturation current	1000 mA	Published datasheet value
Saturation voltage	500 V	Published datasheet value
Internal resistance	500 Ω	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode dissipation	—200 W	Published datasheet value
Anode dissipation test value	300 W	Published test value
RMS anode A.C. voltage range	2000–6000 V	Published datasheet value
D.C. output voltage range	2000–6000 V	Published datasheet value
Mean rectified D.C. current	—250 mA	Published datasheet value
Useful D.C. output power	1500 W	Published datasheet value

TUBE TINKER

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