



ELECTRONIC TUBE REFERENCE

DA101750

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Philips directly heated high-vacuum rectifier for substantial high-voltage DC supplies. Its 17 V filament supports approximately 4-12 kV RMS anode service and 175 mA mean rectified current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	17 V / 15 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PLATE RESISTANCE	1300 Ω
MAXIMUM PLATE DISSIPATION	600 W
NOMINAL OUTPUT CURRENT	175 mA
<i>Published ratings and characteristics promoted where a locked-schema field is semantically applicable; additional values retained as parameters.</i>	

Philips DA101750 is a directly heated high-vacuum rectifier with a 17 V, 15 A filament. Published service covers 4000-12000 V RMS anode voltage and 175 mA mean rectified current, with 600 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	900 mA	Published datasheet value
Saturation voltage	1200 V	Published datasheet value
Internal resistance	1300 Ω	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode dissipation	—600 W	Published datasheet value
Anode dissipation test value	750 W	Published test value
RMS anode A.C. voltage range	4000–12000 V	Published datasheet value
D.C. output voltage range	4000–12000 V	Published datasheet value
Mean rectified D.C. current	—175 mA	Published datasheet value
Useful D.C. output power	1750 W	Published datasheet value

TUBE TINKER

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and their source documents.

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