



ELECTRONIC TUBE REFERENCE

367

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Gas-filled double-anode rectifier for lead-acid battery chargers handling batteries up to about twelve cells. Rated for approximately 3 A DC output and 18 A peak current with a low forward voltage drop.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.9 V / 8 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	140 V
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	18 A
FORWARD VOLTAGE DROP	8 V
WARM-UP TIME	30 s
Published ratings/characteristics promoted from the approved source.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	140 V
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	18 A
FORWARD VOLTAGE DROP	8 V
WARM-UP TIME	30 s
<i>Second physical rectifier section; electrical properties populated from the documented identical section.</i>	

Gas-filled double-anode rectifier for lead-acid battery chargers up to twelve cells.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X TESLA

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	18 V	Nominal
HeaterCurrentNominal	7 A	Nominal



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V3

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	30 s	IndustrialRectifier
Arc voltage drop	8 V	IndustrialRectifier
Ignition voltage	18 V	IndustrialRectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse anode voltage maximum	140 V	IndustrialRectifier
Average anode current maximum	3 A	IndustrialRectifier

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode current maximum	18 A	IndustrialRectifier
Recommended temperature range	-55 to +75 °C	IndustrialRectifier
Transformer RMS voltage	45 V	CircuitA
DC output voltage	26 V	CircuitA
DC output current	6 A	CircuitA

1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	30 s	IndustrialRectifier
Arc voltage drop	8 V	IndustrialRectifier
Ignition voltage	18 V	IndustrialRectifier



SOURCE DATA APPENDIX

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
Application: battery charger (	6 A	Application: battery charger (6 A per valve, max, 12 Pb-
Application: chargeur d'accumulateurs (	6 A	Application: chargeur d'accumulateurs (6 A par tube,
Anwendung : Batterielader (	6 A	Anwendung : Batterielader (6 A pro R&hre, max, 12 Pb

1999 PHILIPS 0-D

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application: battery charger (	6 A	Application: battery charger (6 A per valve, max,12 Pb-
Application: chargeur d'accumulateurs (	6 A	Application: chargeur d'accumulateurs (6 A par tube,
Anwendung : Batterielader (	6 A	Anwendung : Batterielader (6 A pro R&hre, max, 12 Pb