



ELECTRONIC TUBE REFERENCE

1767

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-power directly heated mercury-vapor half-wave rectifier for industrial high-voltage supplies, combining approximately 30 kV inverse-voltage capability with 1.5 A DC output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	50 V / 20 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	1.5 A
PEAK FORWARD CURRENT	7.5 A
FORWARD VOLTAGE DROP	25 V
<i>Published ratings/characteristics promoted from supplied datasheet.</i>	

High-power mercury-vapour rectifier, formerly designated 1767.

SOURCE OPERATING CONDITIONS

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
Heater voltage	50 V	—
Heater current	20 A	—
Maximum peak inverse voltage	30000 V	—
Maximum rectified current	1.5 A	—
Maximum peak forward current	7.5 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	25 V	—

TUBE TINKER

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and their source documents.

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