



ELECTRONIC TUBE REFERENCE

6374

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Mullard half-wave rectifier for electronic power supplies, providing approximately 2 kV inverse-voltage capability and moderate output current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9BW	BASE PINS	9
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	2000 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	900 mA
FORWARD VOLTAGE DROP	22 V
MAXIMUM HEATER-CATHODE VOLTAGE	200 V
<i>Promoted from clearly identified printed ratings/characteristics; additional published operating points and capacitances retained in TUBE_SECTION_PARAMETER.</i>	

Mullard rectifier with published ratings and characteristics extracted from the supplied datasheet.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	22 V	At150mADC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	125 mA	HalfWave
Peak inverse voltage maximum	2000 V	HalfWave
RMS supply voltage maximum	625 V	HalfWave
Peak current maximum	900 mA	HalfWave



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	1 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSPlateVoltage	500 V	TwoTubes;FullWaveRectifier
Average Plate Current	300 mA	TwoTubes;FullWaveRectifier
Output Voltage	500 V	TwoTubes;FullWaveRectifier
Reservoir Capacitance	16 uF	TwoTubes;FullWaveRectifier
LimitingResistancePerPlate	150 ohm	TwoTubes;FullWaveRectifier

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