

ELECTRONIC TUBE REFERENCE

FW4500

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Directly heated full-wave power rectifier for substantial DC supplies. Its four-volt filament and high inverse-voltage capability support receiver, amplifier, and general high-voltage electronic power systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	British4Pin	BASE PINS	4
NOMINAL HEATER	4 V / 4 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	250 mA
PEAK INVERSE VOLTAGE	1800 V
NOMINAL OUTPUT CURRENT	250 mA
Full-wave directly heated rectifier; PIV and maximum output current promoted.	

SECTION2 Rectifier	
MAXIMUM CATHODE CURRENT	250 mA
PEAK INVERSE VOLTAGE	1800 V
NOMINAL OUTPUT CURRENT	250 mA
Physical rectifier section 2; identical section values duplicated per physical-section policy.	

Directly heated full-wave power rectifier for outputs up to 500 V at 250 mA.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS input per anode maximum	500 V	—
DC output current maximum	250 mA	—
Peak inverse voltage	1600 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Mullard Receiving Tubes

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

1958 MULLARD RECEIVING TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS anode voltage	500 V	PerAnode;2x500V
Reservoir capacitance	16 uF	2x500V
Minimum series resistance per anode	200 Ohm	2x500V
Reservoir capacitance	32 uF	2x350V



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	4 V	—
HeaterOrFilamentCurrent	4 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSInputVoltagePerAnodeMaximum	500 V	—
DCOutputCurrentMaximum	250 mA	—
PeakInverseVoltageMaximum	1800 V	—
Reservoir Capacitance	16 uF	RMSInput=500V
SeriesResistanceMinimum	200 ohm	RMSInput=500V

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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