



ELECTRONIC TUBE REFERENCE

PZ30

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated dual rectifier designed for television half-wave and voltage-doubler power supplies. Its two sections are intended for mains-derived voltage multiplication rather than flyback EHT generation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	52 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	400 mA
MAXIMUM HEATER-CATHODE VOLTAGE	650 V
<i>Published ratings and characteristics promoted from the supplied valve-data source where explicitly available.</i>	

SECTION2 Rectifier	
NOMINAL OUTPUT CURRENT	200 mA
MAXIMUM HEATER-CATHODE VOLTAGE	650 V
<i>Second separate half-wave rectifier section; electrically identical.</i>	

Indirectly heated two-section rectifier for half-wave or voltage-doubler television supplies.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	52 V	—
HeaterOrFilamentCurrent	300 mA	—
Application	VoltageDoubler	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSInputVoltage	240 V	HalfWave
DC Output Current	400 mA	HalfWave
Reservoir Capacitance	50 uF	HalfWave
Limiting Resistance Per Anode	50 ohm	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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS anode voltage maximum	240 V	—
Reservoir capacitance maximum	50 uF	CapacitorInputFilter
Half-wave operating point	200 V RMS; 400 mA output; 160 V DC; 50 ohm min; 50 uF	CapacitorInputFilter
Half-wave operating point	240 V RMS; 400 mA output; 205 V DC; 50 ohm min; 50 uF	CapacitorInputFilter
Voltage-doubler operating point	220 V RMS; 200 mA output; 425 V DC; 30 ohm min; 2x32 uF	—
Voltage-doubler operating point	240 V RMS; 200 mA output; 480 V DC; 30 ohm min; 2x32 uF	—

1963 MULLARD

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS anode voltage maximum	240 V	—
Reservoir capacitance maximum	50 uF	CapacitorInputFilter

TUBE TINKER

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