



ELECTRONIC TUBE REFERENCE

PY32

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated series-heater half-wave rectifier for television receiver power supplies. Rated for approximately 700 V peak inverse voltage and 325 mA nominal output for comparatively high-current television circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	29 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	325 mA
PEAK FORWARD CURRENT	2.41 A
MAXIMUM HEATER-CATHODE VOLTAGE	550 V
<i>Published Mullard ratings, characteristics, capacitances, and operating data promoted where applicable; additional values retained as parameters.</i>	

Series-heater half-wave rectifier for television receivers.

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 input voltage maximum	250 V	CapacitorInputFilter
Surge anode current maximum	7.5 A	Pulse
Reservoir capacitance maximum	100 uF	CapacitorInputFilter
Typical rectifier operating point	200 V RMS input; 325 mA output; 182 V DC; 23 ohm minimum series resistance	CapacitorInputFilter
Typical rectifier operating point	220 V RMS input; 296 mA output; 212 V DC; 27 ohm minimum series resistance	CapacitorInputFilter
Typical rectifier operating point	240 V RMS input; 238 mA output; 248 V DC; 31 ohm minimum series resistance	CapacitorInputFilter
Typical rectifier operating point	250 V RMS input; 210 mA output; 264 V DC; 33 ohm minimum series resistance	CapacitorInputFilter

TUBE TINKER

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