

PY33

Rectifier - Half Wave electronic tube

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 high-current series-string equipment.

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	2.6 A
MAXIMUM HEATER-CATHODE VOLTAGE	625 V
Published valve ratings and characteristics promoted where applicable; additional data retained as parameters.	

Series-heater half-wave rectifier for television receivers.



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 input maximum	250 V	—



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	9.5 A	Pulse
Reservoir capacitance maximum	200 uF	CapacitorInputFilter
Typical rectifier operating point	200 V RMS input; 325 mA output; 209 V DC; 15 ohm minimum series resistance	CapacitorInputFilter
Typical rectifier operating point	220 V RMS input; 295 mA output; 234 V DC; 19 ohm minimum series resistance	CapacitorInputFilter
Typical rectifier operating point	240 V RMS input; 240 mA output; 264 V DC; 23 ohm minimum series resistance	CapacitorInputFilter

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical rectifier operating point	250 V RMS input; 220 mA output; 280 V DC; 25 ohm minimum series resistance	CapacitorInputFilter

SOURCE DATA APPENDIX

1973 Mazda Valves Binder 2

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

1973 MAZDA VALVES BINDER 2

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	29 V	Published nominal value
Heater current	300 mA	Published nominal value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum reservoir capacitor	200 uF	Published
Maximum mean anode current	325 mA	Published

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