



ELECTRONIC TUBE REFERENCE

UY21

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Mullard indirectly heated half-wave rectifier for 100 mA series-heater supplies. Its 50 V heater and moderate current capability suit AC/DC receiver power systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	50 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
NOMINAL OUTPUT CURRENT	140 mA
MAXIMUM HEATER-CATHODE VOLTAGE	550 V
<i>Half-wave rectifier.</i>	

The Mullard UY21 is an indirectly heated half-wave rectifier for 50 V, 0.1 A series-heater operation, rated for 250 V RMS input and 140 mA output.



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 Voltage	250 V	—
Reservoir Capacitance	60 uF	—
Limiting Resistance	175 ohm	Input=250V; ReservoirCapacitance=60uF
Limiting Resistance	125 ohm	Input=250V; ReservoirCapacitance=32uF
Limiting Resistance	75 ohm	Input=250V; ReservoirCapacitance=16uF
Limiting Resistance	0 ohm	Input=250V; ReservoirCapacitance=8uF
DC Output Voltage	169 V	Input=220Vrms; LoadCurrent=140mA; R=125ohm



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ingangscapaciteit van het afvlakfilter Cfl' = max	60 pF	Ingangscapaciteit van het afvlakfilter Cfl' = max. 60 pF

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