



ELECTRONIC TUBE REFERENCE

EZ35

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave power rectifier for conventional electronic DC supplies. Its 6.3 V heater and moderate output capability suit receiver and amplifier power-supply applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	70 mA
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Two identical rectifier sections; represented once under identical-section compression.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	70 mA
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Physical rectifier section 2; identical section values duplicated per physical-section policy.	

FULL-WAVE RECTIFIER Indirectly-heated power rectifier with 6.3 V.



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	325 V	—
DC output current maximum	70 mA	—



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	600 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSInputVoltagePerAnodeMaximum	325 V	—
DCOutputCurrentMaximum	70 mA	—
ReservoirCapacitanceMaximum	16 uF	—
LimitingResistancePerAnodeMinimum	350 ohm	C=16uF

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1967 Mullard Receiving Tubes for Maintenance

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

1967 MULLARD RECEIVING TUBES FOR MAINTENANCE

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$I_{out\ max}$	70 mA	Characteristic
$R_{u\ min.}\ (per\ anode)\ (C = 350$	350	Characteristic
ϕ	90	Characteristic

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
$V_{tr} = \max$	325 V	$V_{tr} = \max. 2 \times 325\ V_{eff}$
$I_o = J_a X$	70 mA	$I_o = J_a X. 70\ mA$
$V_{fk} = \max$	350 V	$V_{fk} = \max. 350\ V_1$
2 A	2 A	2 A 1949.11.11