

ELECTRONIC TUBE REFERENCE

EY91

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated miniature half-wave rectifier for compact electronic equipment. Its 6.3 V heater and moderate output capability suit small power supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 420 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	75 mA
MAXIMUM HEATER-CATHODE VOLTAGE	300 V
WARM-UP TIME	20 s
Published source values promoted where applicable; additional values retained as parameters.	

Indirectly heated miniature half-wave rectifier for miniature equipment.



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
Reservoir capacitance maximum	32 uF	—



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	420 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMSInputVoltageMaximum	250 V	—
ReservoirCapacitanceMaximum	32 uF	—
LimitingResistance	100 ohm	RMSInput=250V;C=32uF
LimitingResistance	50 ohm	RMSInput=250V;C=16uF
LimitingResistance	0 ohm	RMSInput=250V;C=8uF

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	6.3 V	Chauffage: indirect par C.A. $V_e = 6,3V$
Published electrical datum	420 mA	alimentation-parallble $I_e = 0,42 A$

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	250 Veff	$V_i = \text{max. } 250 V_{eff}$
Published electrical datum	715 mA	$I_o = \text{max.}, 715 mA$
Published electrical datum	300 V	$V_{it} = \text{max.}, 300 V$
Heater voltage	6.3 V	Nominal heater rating
Heater current	420 mA	Nominal heater rating