



ELECTRONIC TUBE REFERENCE

GZ30

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave rectifier for conventional electronic power supplies. Its five-volt heater-cathode construction provides moderate-current output for receiver and amplifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	375 mA
<i>Published Mullard ratings, characteristics, operating conditions, and capacitances extracted from supplied datasheet.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	375 mA
<i>Physical rectifier section 2; identical section values duplicated per physical-section policy.</i>	

FU LL-WAVE RECTIFIER Indirectly-heated full-wave rectifier with 5-volt



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	5 V	—
HeaterOrFilamentCurrent	2 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PeakInverseVoltageMaximum	1400 V	—
PeakAnodeCurrentMaximum	375 mA	—
DCOutputCurrentMaximum	125 mA	—
ReservoirCapacitanceMaximum	50 uF	—
RMSInputVoltagePerAnode	350 V	CapacitorInputFilter;C=50uF
DC Output Voltage	327 V	CapacitorInputFilter;C=50uF
RMSInputVoltagePerAnode	500 V	ChokeInputFilter;L=10H
DC Output Voltage	429 V	ChokeInputFilter;L=10H



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
P.I.V. max	1.4 V	LIMITING VALUES
I _{out} max	125 mA	LIMITING VALUES
θ 10 20 30 V _a (V)	30 V	TYPICAL OPERATING CONDITIONS <-
REGULATION CURVES FOR CAPACITOR INPUT C =	50	TYPICAL OPERATING CONDITIONS <-
V _a (r.m.s.)	500 V	TYPICAL OPERATING CONDITIONS <-

TUBE TINKER

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