

ELECTRONIC TUBE REFERENCE

EZ41

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave rectifier designed primarily for automobile-radio receivers. Its 6.3 V heater-cathode construction provides moderate DC output for compact vehicular power supplies.

GENERAL CHARACTERISTICS

|                     |                |                      |               |
|---------------------|----------------|----------------------|---------------|
| BASE DESIGNATION    | —              | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 400 mA | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect       | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Common cathode | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                          |       |
|----------------------------------------------------------|-------|
| SECTION1 Rectifier                                       |       |
| NOMINAL OUTPUT CURRENT                                   | 60 mA |
| MAXIMUM HEATER-CATHODE VOLTAGE                           | 350 V |
| High-vacuum full-wave rectifier for car-radio receivers. |       |

|                                                                                                |       |
|------------------------------------------------------------------------------------------------|-------|
| SECTION2 Rectifier                                                                             |       |
| NOMINAL OUTPUT CURRENT                                                                         | 60 mA |
| MAXIMUM HEATER-CATHODE VOLTAGE                                                                 | 350 V |
| Physical rectifier section 2; identical section values duplicated per physical-section policy. |       |

FULL-WAVE RECTIFIER Indirectly-heat ed full-wave rectifier primarily intended EZ41 for use in car radio receivers.



## 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 | 250 V           | —                |
| DC output current maximum   | 60 mA           | —                |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Philips Electron Tubes Handbook V1a

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

## 1963 PHILIPS ELECTRON TUBES HANDBOOK V1A

## Section 1 · Rectifier

| OTHER                               |                 |                      |
|-------------------------------------|-----------------|----------------------|
| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE     |
| AC input voltage per plate          | 250 V RMS       | CapacitorInputFilter |
| DC output current                   | 60 mA           | CapacitorInputFilter |
| Minimum series resistance per plate | 150 ohm         | CapacitorInputFilter |
| Maximum filter capacitance          | 8 uF            | CapacitorInputFilter |
| AC input voltage per plate          | 250 V RMS       | CapacitorInputFilter |
| DC output current                   | 60 mA           | CapacitorInputFilter |
|                                     |                 |                      |

| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE     |
|-------------------------------------|-----------------|----------------------|
| Minimum series resistance per plate | 250 ohm         | CapacitorInputFilter |
| Maximum filter capacitance          | 16 uF           | CapacitorInputFilter |
| AC input voltage per plate          | 250 V RMS       | CapacitorInputFilter |
| DC output current                   | 60 mA           | CapacitorInputFilter |
| Minimum series resistance per plate | 300 ohm         | CapacitorInputFilter |
| Maximum filter capacitance          | 32 uF           | CapacitorInputFilter |
| Maximum heater-cathode voltage      | 350 V           | —                    |



SOURCE DATA APPENDIX

#### SOURCE OPERATING CONDITIONS

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# 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 <sub>out</sub> max | 60              | Characteristic   |



SOURCE DATA APPENDIX

#### SOURCE OPERATING CONDITIONS

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# 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

| OTHER                             |                 |                                         |
|-----------------------------------|-----------------|-----------------------------------------|
| PARAMETER                         | PUBLISHED VALUE | CONDITION / NOTE                        |
| Chauffage: indirect par C.A. VE = | 6.3 V           | Chauffage: indirect par C.A. VE = 6,3 V |
| alimentation en parallèle If =    | 400 mA          | alimentation en parallèle If = 0,4 A    |
| Vtr = max                         | 250 V           | Vtr = max. 2 x 250 Verr                 |
| Io = max                          | 60 mA           | Io = max. 60 mA                         |
| Vik = max                         | 350 V           | Vik = max. 350 Vv                       |
| W) Vin =                          | 250 V           | W) Vin = 2x250Ver                       |
| 2 A                               | 2 A             | 2 A 1949.09.09                          |

## TUBE TINKER

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