



## ELECTRONIC TUBE REFERENCE

## EF36

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**PENTODE**

High-impedance audio pentode for general voltage amplification and phase-inverter service, providing substantial gain for vintage audio amplifier circuitry.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 8             |
| NOMINAL HEATER      | 6.3 V / 200 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                        |                  |
|----------------------------------------------------------------------------------------|------------------|
| <b>SECTION 1</b> Pentode                                                               |                  |
| PLATE RESISTANCE                                                                       | 2500000 $\Omega$ |
| TRANSCONDUCTANCE                                                                       | 0.0018 S         |
| MAXIMUM PLATE VOLTAGE                                                                  | 300 V            |
| MAXIMUM SCREEN VOLTAGE                                                                 | 150 V            |
| MAXIMUM PLATE DISSIPATION                                                              | 1 W              |
| MAXIMUM SCREEN DISSIPATION                                                             | 0.3 W            |
| MAXIMUM CATHODE CURRENT                                                                | 6 mA             |
| <i>Published ratings and characteristics promoted from the supplied Brimar source.</i> |                  |

High-impedance AF pentode for general-purpose voltage amplification and phase-inverter service; supplied sheet refers ratings and characteristics to EF37A Issue 3.



## 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 · Pentode

| APPLICATION         |                                       |                  |
|---------------------|---------------------------------------|------------------|
| PARAMETER           | PUBLISHED VALUE                       | CONDITION / NOTE |
| Primary application | Audio-frequency voltage amplification | —                |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1958 Mullard Receiving Tubes

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

## 1958 MULLARD RECEIVING TUBES

## Section 1 · Pentode

| CHARACTERISTIC |                 |                  |
|----------------|-----------------|------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE |
| Heater Voltage | 6.3 V           | —                |
| Heater Current | 200 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

| CHARACTERISTICS                   |                 |                  |
|-----------------------------------|-----------------|------------------|
| PARAMETER                         | PUBLISHED VALUE | CONDITION / NOTE |
| Plate Voltage                     | 250 V           | —                |
| Screen Voltage                    | 100 V           | —                |
| Plate Current                     | 3 mA            | —                |
| Screen Current                    | 0.8 mA          | —                |
| Grid Voltage                      | -2 V            | —                |
| Transconductance                  | 1800 $\mu$ S    | —                |
| Plate Resistance                  | 2500000 ohm     | —                |
| Plate-Grid Capacitance<br>Maximum | 0.02 pF         | —                |
| Input Capacitance                 | 5.5 pF          | —                |
| Output Capacitance                | 8.5 pF          | —                |

| OTHER                        |                 |                  |
|------------------------------|-----------------|------------------|
| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum Plate Supply Voltage | 550 V           | —                |
| Maximum Plate Voltage        | 300 V           | —                |
| Maximum Plate Dissipation    | 1 W             | —                |
| Maximum Screen Voltage       | 200 V           | —                |
| Maximum Screen Dissipation   | 0.3 W           | —                |



SOURCE DATA APPENDIX

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                                 |
| Cross-reference type | EF37A           | Ratings characteristics and operating conditions |

| APPLICATION      |                      |                  |
|------------------|----------------------|------------------|
| PARAMETER        | PUBLISHED VALUE      | CONDITION / NOTE |
| Intended service | AF voltage amplifier | —                |
| Intended service | Phase inverter       | —                |

### TUBE TINKER

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