

ELECTRONIC TUBE REFERENCE

AC2

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
TRIODE

Indirectly heated general-purpose triode for detector and audio-frequency amplifier service.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | P30               | BASE PINS            | 8             |
| NOMINAL HEATER      | 4 V / 650 mA      | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                  |          |
|----------------------------------------------------------------------------------|----------|
| SECTION1 Triode                                                                  |          |
| PLATE RESISTANCE                                                                 | 12000 Ω  |
| TRANSCONDUCTANCE                                                                 | 0.0025 S |
| AMPLIFICATION FACTOR                                                             | 30       |
| MAXIMUM PLATE VOLTAGE                                                            | 250 V    |
| MAXIMUM PLATE DISSIPATION                                                        | 2 W      |
| MAXIMUM CATHODE CURRENT                                                          | 10 mA    |
| General-purpose triode; promoted values from nominal and apparatus-builder data. |          |

Indirectly heated general-purpose triode for detector and audio-frequency amplifier service.



## SOURCE OPERATING CONDITIONS

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# 1938 Philips Miniwatt Vacuum Tube Catalog

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

## 1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

## Section 1 · Triode

| OTHER                 |                 |                  |
|-----------------------|-----------------|------------------|
| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
| Typical plate voltage | 250 V           | —                |
| Typical plate current | 6 mA            | —                |
| Control-grid bias     | -5.5 V          | —                |

| CHARACTERISTICS        |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Transconductance       | 2500 $\mu$ S    | —                |
| Amplification factor   | 30              | —                |
| Plate resistance       | 12000 ohm       | —                |
| Grid-anode capacitance | 1.7 pF          | —                |



## SOURCE OPERATING CONDITIONS

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# 1959 Telefunken

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

## 1959 TELEFUNKEN

## Section 1 · Triode

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| HeaterOrFilamentVoltage | 4 V             | —                |
|                         |                 |                  |

| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
|-------------------------|-----------------|------------------|
| HeaterOrFilamentCurrent | 1 A             | —                |


SOURCE DATA APPENDIX

#### SOURCE OPERATING CONDITIONS

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## 195X Tunsgram

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

#### 195X TUNSGRAM

### Section 1 · Triode

| OTHER                            |                 |                  |
|----------------------------------|-----------------|------------------|
| PARAMETER                        | PUBLISHED VALUE | CONDITION / NOTE |
| Typical plate voltage            | 250 V           | —                |
| Typical plate current            | 6 mA            | —                |
| Typical grid voltage             | -5.5 V          | —                |
| Maximum no-current anode voltage | 550 V           | —                |
| Maximum heater-cathode voltage   | 50 V            | —                |


SOURCE DATA APPENDIX

#### SOURCE OPERATING CONDITIONS

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## 1999 Philips 0-D

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

#### 1999 PHILIPS 0-D

### Section 1 · Triode

| CHARACTERISTIC            |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Grid-anode capacitance    | 1.7 pF          | —                |
| Anode-cathode capacitance | 4.5 pF          | —                |
| Grid-cathode capacitance  | 4.9 pF          | —                |
|                           |                 |                  |

| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE |
|--------------------------------|-----------------|------------------|
| Plate current                  | 6 mA            | —                |
| Maximum cathode current        | 10 mA           | —                |
| Maximum heater-cathode voltage | 50 V            | —                |