



## ELECTRONIC TUBE REFERENCE

## KC4

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## TRIODE

Directly heated high-vacuum rectifier for extremely high-voltage service, rated around 150 kV peak inverse voltage and intended for specialized HV rectification.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 20 V / 24.5 A     | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                           |                |
|---------------------------|----------------|
| SECTION 1 Triode          |                |
| PLATE RESISTANCE          | 21500 $\Omega$ |
| TRANSCONDUCTANCE          | 0.0014 S       |
| AMPLIFICATION FACTOR      | 30             |
| MAXIMUM PLATE VOLTAGE     | 150 V          |
| MAXIMUM PLATE DISSIPATION | 750 W          |

High-vacuum rectifier for very high peak-inverse-voltage service.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

## Section 1 · Triode

| OTHER                              |                 |                                                          |
|------------------------------------|-----------------|----------------------------------------------------------|
| PARAMETER                          | PUBLISHED VALUE | CONDITION / NOTE                                         |
| used at voltages as high as 150,   | 0 V             | Published datasheet value; semantic OCR text extraction. |
| Maximum peak inverse voltage. 150, | 0 V             | Published datasheet value; semantic OCR text extraction. |
| Maximum anode dissipation          | 750 W           | Published datasheet value; semantic OCR text extraction. |

| CHARACTERISTIC               |                 |                                                          |
|------------------------------|-----------------|----------------------------------------------------------|
| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE                                         |
| Filament voltage             | 20 V            | Published datasheet value; semantic OCR text extraction. |
| Filament current, approx 24, | 5 A             | Published datasheet value; semantic OCR text extraction. |



## 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 · Triode

| CHARACTERISTICS      |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Plate resistance     | 37500 ohm       | PlateVoltage=90V |
| Amplification factor | 30              | PlateVoltage=90V |

| PARAMETER            | PUBLISHED VALUE               | CONDITION / NOTE  |
|----------------------|-------------------------------|-------------------|
| Transconductance     | <b>800 <math>\mu</math>S</b>  | PlateVoltage=90V  |
| Plate resistance     | <b>21500 ohm</b>              | PlateVoltage=135V |
| Amplification factor | <b>30</b>                     | PlateVoltage=135V |
| Transconductance     | <b>1400 <math>\mu</math>S</b> | PlateVoltage=135V |

| OTHER                 |                 |                  |
|-----------------------|-----------------|------------------|
| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum plate voltage | <b>150 V</b>    | —                |

| CAPACITANCE            |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Grid input capacitance | <b>3 pF</b>     | —                |
| Plate capacitance      | <b>3 pF</b>     | —                |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,  
and their source documents.

[Catalog](#)   [Tube types](#)   [Full books](#)   [Blog](#)   [Feedback & corrections](#)

© 2026 Tube Tinker