



## ELECTRONIC TUBE REFERENCE

## EF2

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

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

Philips RF pentode with documented heater data, ratings, characteristics, operating conditions, and capacitances. The source establishes high-frequency signal-amplifier service while also publishing specialized secondary-emission quantities.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| 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           | 1400000 $\Omega$ |
| TRANSCONDUCTANCE           | 0.0028 S         |
| MAXIMUM PLATE VOLTAGE      | 250 V            |
| MAXIMUM SCREEN VOLTAGE     | 200 V            |
| MAXIMUM PLATE DISSIPATION  | 1.5 W            |
| MAXIMUM SCREEN DISSIPATION | 0.3 W            |
| MAXIMUM CATHODE CURRENT    | 8 mA             |

RF pentode. The supplied Philips source was read for heater data, ratings, characteristics, operating conditions, and capacitances; special secondary-emission quantities are retained as parameters where standard section fields do not apply.

## 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 · Pentode

| CHARACTERISTICS        |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Heater voltage         | 6.3 V           | —                |
| Heater current         | 200 mA          | —                |
| Typical plate voltage  | 250 V           | —                |
| Typical grid 2 voltage | 100 V           | —                |
| Typical plate current  | 4.5 mA          | —                |
| Transconductance       | 2800 $\mu$ S    | —                |

| OTHER                            |                 |                  |
|----------------------------------|-----------------|------------------|
| PARAMETER                        | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum no-current plate voltage | 400 V           | —                |
| Maximum plate voltage            | 250 V           | —                |
| Maximum plate dissipation        | 1.5 W           | —                |