

ELECTRONIC TUBE REFERENCE

4657

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
TRIODE

Indirectly heated triode for low-frequency voltage amplification in audio and general electronic circuits.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 4 V / 1 A         | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                         |          |
|-------------------------------------------------------------------------|----------|
| SECTION1 Triode                                                         |          |
| PLATE RESISTANCE                                                        | 45000 Ω  |
| TRANSCONDUCTANCE                                                        | 0.0022 S |
| AMPLIFICATION FACTOR                                                    | 99       |
| MAXIMUM PLATE VOLTAGE                                                   | 200 V    |
| MAXIMUM PLATE DISSIPATION                                               | 1.5 W    |
| MAXIMUM CATHODE CURRENT                                                 | 15 mA    |
| Published Philips ratings and operating data promoted where applicable. |          |

Indirectly heated triode for low-frequency voltage amplification.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 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

**CAPACITANCE**

| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------|-----------------|------------------|
| Anode-grid capacitance | <3 pF           | —                |

**CHARACTERISTIC**

| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE                            |
|-----------------------|-----------------|---------------------------------------------|
| Typical plate current | 1 mA            | V <sub>a</sub> =200V; V <sub>g</sub> =-1.5V |

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and their source documents.

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