



## ELECTRONIC TUBE REFERENCE

## TA3500

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Philips transmitting power triode for RF amplifier and oscillator service. Approximately 400 W plate dissipation and multi-kilovolt capability provide useful gain and output for medium-power professional transmitters.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 16 V / 8.5 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                             |                |
|-------------------------------------------------------------|----------------|
| SECTION 1 Triode                                            |                |
| PLATE RESISTANCE                                            | 13500 $\Omega$ |
| TRANSCONDUCTANCE                                            | 0.004 S        |
| AMPLIFICATION FACTOR                                        | 40             |
| MAXIMUM PLATE VOLTAGE                                       | 4000 V         |
| MAXIMUM PLATE DISSIPATION                                   | 400 W          |
| Transmitting triode for RF amplifier and oscillator service |                |

TA3500 is a transmitting triode for rf amplifier and oscillator service. The supplied Philips datasheet was read for filament data, limiting ratings, characteristic constants, operating classes, cooling requirements, and interelectrode capacitances where published.



## 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

**OTHER**

| PARAMETER                | PUBLISHED VALUE | CONDITION / NOTE |
|--------------------------|-----------------|------------------|
| Tested anode dissipation | 600 W           | —                |

**CHARACTERISTIC**

| PARAMETER                | PUBLISHED VALUE    | CONDITION / NOTE |
|--------------------------|--------------------|------------------|
| Maximum transconductance | 6000 $\mu\text{S}$ | —                |

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