



## ELECTRONIC TUBE REFERENCE

8447

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL  
DATA

**3 SECTIONS**

CONSTRUCTION

**DIODE-DIODE-TRIODE**

Series-heater double-diode medium/high-mu triode with unusually strong transconductance for detector and amplifier service. Paired diodes provide complementary rectification while the low-resistance triode supplies substantial current drive.

## GENERAL CHARACTERISTICS

|                     |                   |                      |                 |
|---------------------|-------------------|----------------------|-----------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 9               |
| NOMINAL HEATER      | 13.5 V / 190 mA   | PARALLEL HEATER      | 6.75 V / 380 mA |
| HEATING             | Indirect          | SERIES OPERATION     | Capable         |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Dissimilar      |

## SECTION RATINGS

|                      |       |
|----------------------|-------|
| SECTION1 Diode       |       |
| PEAK INVERSE VOLTAGE | 300 V |
| PEAK FORWARD CURRENT | 60 mA |

|                           |                |
|---------------------------|----------------|
| SECTION2 Triode           |                |
| PLATE RESISTANCE          | 10900 $\Omega$ |
| TRANSCONDUCTANCE          | 0.0055 S       |
| AMPLIFICATION FACTOR      | 60             |
| MAXIMUM PLATE VOLTAGE     | 300 V          |
| MAXIMUM PLATE DISSIPATION | 2.5 W          |

### SECTION3 Diode

*No fixed ratings recorded.*

*Physical diode section added during approved section-structure reconciliation.*

Reliable mobile-radio double high-perveance diode and high-mu triode combination with separate cathodes.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1961 Tung Sol

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

## 1961 TUNG SOL

## Section 1 · Diode

| OTHER          |                 |                                            |
|----------------|-----------------|--------------------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE                           |
| Heater voltage | 13.5 V          | Nominal                                    |
| Heater current | 190 mA          | Nominal                                    |
| Plate voltage  | 250 V           | Published operating table; OperatingPoint1 |

  

| CHARACTERISTIC   |                 |                                            |
|------------------|-----------------|--------------------------------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE                           |
| Plate current    | 10 mA           | Published operating table; OperatingPoint1 |
| Transconductance | 5500 $\mu$ S    | Published operating table; OperatingPoint1 |

## 1961 TUNG SOL

## Section 2 · Triode

| OTHER          |                 |                                            |
|----------------|-----------------|--------------------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE                           |
| Heater voltage | 13.5 V          | Nominal                                    |
| Heater current | 190 mA          | Nominal                                    |
| Plate voltage  | 250 V           | Published operating table; OperatingPoint1 |

  

| CHARACTERISTIC   |                 |                                            |
|------------------|-----------------|--------------------------------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE                           |
| Plate current    | 10 mA           | Published operating table; OperatingPoint1 |
| Transconductance | 5500 $\mu$ S    | Published operating table; OperatingPoint1 |

## TUBE TINKER

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

