



## ELECTRONIC TUBE REFERENCE

**7719**

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**TRIODE**

High-perveance triode with series/parallel heater capability for general electronic service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |                |
|---------------------|-------------------|----------------------|----------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 9              |
| NOMINAL HEATER      | 12.6 V / 225 mA   | PARALLEL HEATER      | 6.3 V / 450 mA |
| HEATING             | Indirect          | SERIES OPERATION     | Capable        |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar        |

## SECTION RATINGS

|                                                                                                           |               |
|-----------------------------------------------------------------------------------------------------------|---------------|
| <b>SECTION1</b> Triode                                                                                    |               |
| PLATE RESISTANCE                                                                                          | 7100 $\Omega$ |
| TRANSCONDUCTANCE                                                                                          | 0.0035 S      |
| MAXIMUM PLATE VOLTAGE                                                                                     | 330 V         |
| MAXIMUM PLATE DISSIPATION                                                                                 | 6 W           |
| MAXIMUM CATHODE CURRENT                                                                                   | 4 mA          |
| <i>Published ratings and characteristics mapped semantically; identical repeated sections compressed.</i> |               |

The 7719 is a single indirectly heated high-perveance triode intended for high-current service and equipped with a heater that can be connected for 6.3 or 12.6 volt operation.



## 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 · Triode

| CAPACITANCE               |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Input Capacitance         | 6.5 pF          | —                |
| Output Capacitance        | 1 pF            | —                |
| Grid To Plate Capacitance | 5.5 pF          | —                |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

## Section 1 · Triode

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Heater Voltage (Series) | 0.6 VOLTS       | PublishedTable   |
| Heater                  | 310.3 VOLTS     | PublishedTable   |
| Heater                  | 0.6 VOLTS       | PublishedTable   |
| Heater Current          | 0.2 AMP         | PublishedTable   |
| Plate                   | 3 VOLTS         | PublishedTable   |
| Grid Voltage            | 10.5 VOLTS      | PublishedTable   |
| Plate Current           | 4 MA            | PublishedTable   |
| Plate Resistance        | 7100 OHMS       | PublishedTable   |
| Grid                    | 15 VOLTS        | PublishedTable   |

| OTHER                      |                 |                  |
|----------------------------|-----------------|------------------|
| PARAMETER                  | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum Plate              | 33 VOLTS        | PublishedTable   |
| Maximum Plate Dissipation  | 6 WATTS         | PublishedTable   |
| Maximum Dc Cathode Current | 4 MA            | PublishedTable   |

## 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