



## ELECTRONIC TUBE REFERENCE

## 6N6G

Voltage - Dual Triode (dissimilar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Direct-coupled dual-triode power-amplifier tube for audio-frequency output service, providing about 4 watts Class-A output.

## GENERAL CHARACTERISTICS

|                     |                |                      |               |
|---------------------|----------------|----------------------|---------------|
| BASE DESIGNATION    | 7AU            | BASE PINS            | 8             |
| NOMINAL HEATER      | 6.3 V / 800 mA | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect       | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Common cathode | SECTION CONSTRUCTION | Dissimilar    |

## SECTION RATINGS

|                                                                                                                                                    |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| SECTION1 Triode                                                                                                                                    |                |
| PLATE RESISTANCE                                                                                                                                   | 24100 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                                   | 0.0024 S       |
| <i>Promoted from printed maximum-rating/characteristic columns; additional published operating points and capacitances retained as parameters.</i> |                |

|                                                                                                                                                    |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| SECTION2 Triode                                                                                                                                    |                |
| PLATE RESISTANCE                                                                                                                                   | 24000 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                                   | 0.0024 S       |
| MAXIMUM PLATE VOLTAGE                                                                                                                              | 300 V          |
| <i>Promoted from printed maximum-rating/characteristic columns; additional published operating points and capacitances retained as parameters.</i> |                |

Direct-coupled power-amplifier triode for audio-frequency output service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 195X General Electric Essential Characteristics

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

## 195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

## Section 1 · Triode

| OTHER                         |                 |                        |
|-------------------------------|-----------------|------------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE       |
| Direct-coupled driver section | 1               | InternalDirectCoupling |

## 195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

## Section 2 · Triode

| OTHER                |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Plate voltage        | 300 V           | ClassA           |
| Screen voltage       | 300 V           | ClassA           |
| Control-grid voltage | 0 V             | ClassA           |
| Plate current        | 45 mA           | ClassA           |
| Load resistance      | 7000 $\Omega$   | ClassA           |
| Power output         | 4 W             | ClassA           |

| CHARACTERISTIC   |                    |                  |
|------------------|--------------------|------------------|
| PARAMETER        | PUBLISHED VALUE    | CONDITION / NOTE |
| Plate resistance | 24000 $\Omega$     | ClassA           |
| Transconductance | 2400 $\mu\text{S}$ | ClassA           |

# 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

| OTHER          |                 |                              |
|----------------|-----------------|------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE             |
| Heater voltage | 6.3 V           | —                            |
| Heater current | 800 mA          | —                            |
| Plate current  | 234551 mA       | Typical operating conditions |

1961 TUNG SOL  
Section 2 · Triode

| OTHER          |                 |                              |
|----------------|-----------------|------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE             |
| Heater voltage | 6.3 V           | —                            |
| Heater current | 800 mA          | —                            |
| Plate current  | 234551 mA       | Typical operating conditions |