



## ELECTRONIC TUBE REFERENCE

## 1G6GT

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Directly heated twin-triode power amplifier for battery receivers, designed for Class-B push-pull audio output from a low-voltage 1.4 V filament supply.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | 7AB               | BASE PINS            | 8             |
| NOMINAL HEATER      | 1.4 V / 100 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                |                |
|----------------------------------------------------------------------------------------------------------------|----------------|
| SECTION1 Triode                                                                                                |                |
| PLATE RESISTANCE                                                                                               | 40000 $\Omega$ |
| TRANSCONDUCTANCE                                                                                               | 0.000825 S     |
| AMPLIFICATION FACTOR                                                                                           | 33             |
| MAXIMUM PLATE VOLTAGE                                                                                          | 110 V          |
| MAXIMUM CATHODE CURRENT                                                                                        | 20 mA          |
| Representative row for two electrically identical triode units; maximum peak plate current is 20 mA per plate. |                |

|                                                                                                                   |                |
|-------------------------------------------------------------------------------------------------------------------|----------------|
| <b>SECTION2</b> Triode                                                                                            |                |
| <b>PLATE RESISTANCE</b>                                                                                           | 40000 $\Omega$ |
| <b>TRANSCONDUCTANCE</b>                                                                                           | 0.000825 S     |
| <b>AMPLIFICATION FACTOR</b>                                                                                       | 33             |
| <b>MAXIMUM PLATE VOLTAGE</b>                                                                                      | 110 V          |
| <b>MAXIMUM CATHODE CURRENT</b>                                                                                    | 20 mA          |
| <i>Identical second physical section; duplicated from representative section per physical-section-row policy.</i> |                |

Directly heated twin-triode power-amplifier tube; identical triodes are compressed to one section row.

## 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            |
| Maximum plate voltage | 110 V           | EachSection                 |
| Plate voltage         | 90 V            | ClassA EachSection          |
| Control-grid voltage  | 0 V             | ClassA EachSection          |
| Plate current         | 1 mA            | ClassA EachSection          |
| Plate resistance      | 40000 Ohm       | ClassA EachSection          |
| Transconductance      | 825 uS          | ClassA EachSection          |
| Amplification factor  | 33              | ClassA EachSection          |
| Plate voltage         | 90 V            | ClassB PushPull TwoSections |
| Control-grid voltage  | 0 V             | ClassB PushPull TwoSections |
| Plate current         | 2 mA            | ClassB PushPull TwoSections |
| Load resistance       | 12000 Ohm       | ClassB PushPull TwoSections |
| Power output          | 0.675 W         | ClassB PushPull TwoSections |

## 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

| OTHER                                   |                 |                         |
|-----------------------------------------|-----------------|-------------------------|
| PARAMETER                               | PUBLISHED VALUE | CONDITION / NOTE        |
| Maximum Peak Plate Current<br>Per Plate | 20 mA           | PerPlate                |
| Power Output                            | 0.675 W         | ClassB;PlateVoltage=90V |
| Total Harmonic Distortion               | 3 %             | ClassB                  |